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VOL. 14.

DIARY

From 23rd Sept. 1943
till 18th Aug. 1944

A. W. Stelfox

Glen of Aherlow, Co. ST.

23rd Sept. 1943. A glorious day, after a dull night & misty morning, with light easterly breeze, warm, all evening after some early [illegible] cleared off; [illegible] & did not go out till 1 P.M.; then walked up the foot of old road to Tipperary & collected on gate, willows, &c. along roadside from a track to hotel at 2.15. Insects taken here labelled Aherlow, [23.9.43 (1)].
After lunch set insects till 4 P.M. & then rode on bike to saw-mill at Rossadrehid by [illegible] S. of Drumanail Bridge, on road to Galbally, & back for a run round to Lough Muskry, after return to hotel collected from 6 to 7 P.M. in field in front of ruins of [illegible] Lodge, just E. of hotel, & [illegible] under trees & by the two streams, these = Aherlow, [23.9.43 (2)].

Aherlow, Co. ST. 23.9.43.

Insects taken at 1. [Not guaranteed (labelled here) & then labelled as (2)] Roadside, 1 to 2 P.M.
Crabro varius ♂. Vespa vulgaris ☿☿
Psithyrus barbutellus a fresh ♀ examined in hotel & released. Ps. distinctus a fresh ♀, but no larger than a good sized ☿ Bombus.

23.9.43, cont. Aherlow, 6. ST, cont.
Insects taken at 1, cont.
[illegible] ♀. [illegible] ♀
Hemiteles [illegible] ♂♂ + ♀♀ [illegible]
H. punctatissimus ♀ ♂ H. [illegible] ♂
Nemeritis [illegible] ♀. [illegible] ♂♂ ♀♀
For Diptera:
[illegible] ? ♂
[illegible] ♀
Phaeogenes [illegible] ♀
Cryptinae ? [illegible] – [illegible] ♀,
Schizopyga atra ? 3♂♂. Pimpla instigator ♀
Lissonota bellator ♂. (& about ♂ seen)
Homocidus pallipes 2♂♂. H. pictus ♂
Polyblastus or Erromenus ? black, ♂ ant. 23
Anomalid ♀ = =
[illegible] ♀
[illegible] 1♀ =
[illegible] ♂. [illegible] ♀
Diadromus [illegible] ♀. [illegible] ♂
[illegible] [illegible]
[illegible] v. [illegible] [illegible]
[illegible] [illegible] [illegible]
Also one not with in the hedge.

Nothing else mounted except 2 [illegible] above!

23.9.43 aft. Aherlow, 6. ST, cont.
Taken at 2. Field in part of [illegible] [illegible]. 6.30 – 7.0 p.m.
Cryptinae 2, including Phaeogenes [illegible]
— Hemiteles [illegible] ♂♂.

[illegible] [illegible] ♀

Diadromus [illegible] ♀.
Polyblastus [illegible] ♀ =
Pimplini ♀ =
[illegible] ♀ Bracon [illegible] 1937
Bracon [illegible] ♂ B. [illegible] ♀♀
Ophion [illegible] ♂. O. [illegible] ♂♂
O. [illegible] ♂ [illegible]
[illegible] 2♂♂
[illegible] [illegible]

Diadromus [illegible] ♀ D. [illegible] ♂
Dicaelotus pumilus 1♀♀.
[illegible] ♀

5

22.9.43 cft — Carabus, [illegible], and
[illegible] and

[illegible] 29.

see next [illegible]

Calathus 4

Cychrus 2.

24th Sept. 1943 After a fine evening & night awoke to find the valley filled with wet mist & road damp & it soon became evident we were in for a day with conflicting NW & NE winds which resulted in intermittent drizzle & rain till about midday when NW wind won. After that a fine afternoon & evening with strong NW wind. Set insects in morning but after dinner took bike & rode across valley & then SW to within 5 miles of Mitchelstown, turned back along the Co. Cork boundary (with LK) & came home via Galtybeg after covering about 20 miles. Did not collect!

6

25th Sept. 1943. A fine morning, but cold & windy, with showers (mostly on the plain!) in afternoon. Walked from hotel, via [illegible] Bridge & [illegible] [illegible], past Lough Borheen outlet, up cliffs to go along & across [illegible] to Lough Muskry, [illegible] [illegible] in [illegible] of moraine [illegible] [illegible] ([illegible] [illegible] [illegible]). After lunch went down to lake but failed to get any [illegible] on muddy patches in too deep water. Swept large patch of Carex paniculata, but, no doubt owing to strong cold wind, took no hymenoptera. A very interesting flora occurs here with the Carex, including Galium uliginosum & a curious [illegible] Saxifrage of the S. [illegible] group (probably the geum-form (or "ex-hybridus"?) in late autumn form, when the [illegible] [illegible] of [illegible] or the [illegible] shoots have each become rosettes ?!). A specimen (root) in flower brought home from here to press. Having in meantime had gone up to N end of cliffs just above & N of lake & found [illegible] station for Epilobium anagallidifolium & with it several clumps of Rubus saxatilis & small [illegible] [illegible]. Working along southwards at foot of these the lowest cliffs, we eventually reached the bottom of

25.9.43. contd. L. Muskry, Galtees, S.T. contd.
of the great gully at S.W. corner of the [illegible]
& after an examination of the [illegible] known
as L. [illegible] south of L. Muskry, we went
up the gully to ridge E. of "O'Loughnan's Castle"
& had aft.-tea in shelter of highest rocks on W.
side of gully. This gully is chiefly characterised
by masses of Sax. umbrosa & the only mossy sax.
seen the broad-leaved Sax. hirta [illegible] at the
edge of the small L. [illegible] is [illegible]
Plenty of chiefly mosses & liverworts, occurring on
the gully [illegible] & some under [illegible] a foot of
water, [illegible] [illegible] [illegible] & [illegible]
in places at least a foot in the water, on S. side.
Some of the liverworts & mosses collected from
just beneath & just above to-day's water level.
Also a specimen of Callitriche & [illegible].
No Rhacomitrium seen in the small amount of
[illegible] [illegible], but no doubt some there.
No plants seen on cliffs W. or S. of lake,
except those mentioned above or recorded by
Hart, but we did not notice the [illegible] form of
Sax. hypnoides referred to by Webb, though there was
[illegible] I.N.J. Sept. 1943

25.9.43. contd. L. Muskry, Galtees, S.T. contd.
probably due to the late date, & by then the
[illegible] had [illegible] [illegible] of the [illegible]. Rain [illegible]
[illegible] & [illegible] of [illegible] & [illegible] the [illegible]
of the [illegible].   After [illegible] [illegible] a
terrific rainstorm [illegible] [illegible] mile N. of
Galtees, in line with Tipperary & Cahir, & walked
west along ridge to head of track above S.W. corner
of L. Borheen, & we sheltered under a peat-bog
from a short shower before descending track
& making our way down "the red lane" to Glady
Bridge & hotel. Our times were roughly as follows:—
Left hotel 10.40 A.M.; L. Muskry 1.15 P.M.; tea at top of
gully nearly 5 P.M.; home 7.20 P.M. Collected many
mosses by L. Muskry ([illegible] [illegible] particularly is) & all
along foot of N. cliffs, foot of S. cliffs & gully
& [illegible], but only a few, [illegible] up gully. These from
[illegible] of [illegible] kept separate! Veronica serpyllifolia
seen on shore of L. Muskry & V. officinalis near
top of gully.

26th Sept. 1943 (Sunday). A cold morning with strong NE wind, [illegible] a touch of rain. [illegible] & went out at 12.30 to wood behind Castletown Lodge where I had discovered a series of ponds. Failed to take any Hymenoptera by sweeping & on [illegible] or on patch of bramble, &c; but a small [illegible] hedge on E side of pond found a wonderful assemblage of small Hymenoptera & in [illegible] only among a couple of yards back & forward — I collected some 120 & then labelled "B'c'ty. (1) 26.9.43".

Afternoon clear, cold & windy with one hail shower; I walked up past new house in woods (where Mr & Mrs Sheppard are living!) towards the Tipperary road & the back drive, [illegible], track through woods to west of ruined B'c'ty house, & down across fields to stables & so home by main avenue. Collected here & there during walk, but chiefly at an oak & an alder about 200 yards NE (above) the new house (= "B'c'ty" (2) 26.9.43") & later swept for 15 minutes in plantation between stables & field NE of [illegible], along small stream channel where much Polygonum hydropiper grows, i.e. in same place as station 3 on 4.9.43 (= B'c'ty. (3) 26.9.43").

26.9.43 contd. Ballinacourty, S.T.

Taken at 1. Collected with sucker off bramble, &c, on dead oak on E side of pond in woods near ruins of Castletown Ho. & close to main entrance gate, just E of Lodge. 12.45 till 1.15 P.M.

[36 mounted from 1, others [illegible] 6.2.1946!]

Phaeogenes [illegible] 5♀♀. Centeterus [illegible] ♂♀ [illegible] ant. 21

Cryptinids (? all ♀♀!) 32 : 8 mtd. = [illegible] ♀, [illegible] ant. 22

Hemiteles [illegible] ♀, ant. 18. Hemiteles [illegible] ♀ [illegible] 21.

Microcryptus micropterus ♀, ant 22. Spilocryptus [illegible] 4♀♀, ant. 22 [illegible]

Proctotrupes scutellaris 5♀♀. [illegible] & [illegible] ♀♀ [illegible]

Stenomacrus ventralis 1♂, 3♀♀.

St. [illegible] 2♂♂ 21♀, ant. 23, 22 & 21(?).

St. [illegible] 2♀♀, ant. 24 & broken.

St. [illegible] ♀, Type, ant. 22; petiole [illegible] very strongly rounded [illegible] AWS. 7.2.1946.

Campoplegid 2♀♀, not mtd.

Plectiscus [illegible] ♀ ant 20.

26.9.43 cont.   B'c'ty, ST, cont.

Taken at 1, cont.

[illegible] [illegible] ♀.

[illegible] pilator ♀.

[illegible] [illegible] ♂♂♀. 1 [illegible] ♂.

[illegible] sp. [illegible] = [illegible] ♀ [illegible] long, ant. 12 [illegible]

C. [illegible] 3♂♀, ant. all 20. [illegible] ♀, [illegible] 16, [illegible]

C. — ♀, [illegible] ant., 20-23

C. [illegible] 1♂ 1♀, ant. 17+16

C. [illegible] ? 1♂ 1♀, ant. 21+19.

[illegible] [illegible] (? all [illegible]) 5♂♀. 19 ants

= Z [illegible] small ♀, ant. 22.

[illegible] [illegible] 71 (40 ♂♀). [illegible] 3♂♂, 10♀♀,
others 20. Only 6 [illegible].

[illegible] 6: 1 [illegible] [illegible] =

[illegible] 2: [illegible]

26.9.43, cont.   B'c'ty. ST, cont.

Taken at 2. Various places in wood, ?   [[illegible] from 2 & then labelled on 7.2.1946.]

Ichneumon [illegible] ♂

I. [illegible] ♀, [illegible]

I. [illegible] small ♀.

[illegible] [illegible] 1 ♂♂

Cryptus [illegible] large black ♂. [illegible].

Cryptini 3♀♀ =

Pimpla [illegible] ? ♂

[illegible] [illegible] ? ♂

[illegible] [illegible] ♀, ant. 23.

Homocidus [illegible] ? large ♀ [illegible] ant. 22,

[illegible] [illegible] ♀ [illegible]

Stenomacrus [illegible] ♀♀♀ [illegible].

St. sp. 9 (♂♂ + ♀♀) = St. [illegible], ant. 23(♂), 22♀ (ant. 21+22).
(1♂ + 5♀♀ [illegible])

St. sp. [illegible] ♂, ant. 25

Orthocentrus [illegible] 20♂♂, ant. 22-24.

Campoplegidae 3.

Plectiscidae 3 = Aperileptus [illegible] ♂, [illegible]

Plectiscus ? ♀, ant 20. ! [illegible] [illegible]! ant 45

26. 9. 43, cont. Ballinacourty, S.T., cont.
Taken at 2, cont.
Colastes decorator: a lovely ♀ on elder (spotted by P.D.S.) ent. 21.
Chelonus cf. latrunculus ♀, (on oak: also spotted by P.D.S.) 2 ent. 16.
Aspilota fuscicornis ♀; ent. 16.
Dacnusa areolaris prob. (cf. [illegible]) 1♂ none ent.

Proctos. 14 none ent.

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26. 9. 43, cont. [1♂ mounted from 3 rather labelled 26.9.1943]
Taken at 3. Swept under trees N.W. of stables.
Cryptinids 10. only 1 mounted = Phygadeuon ? ♀ small, ent. 9.

Pimpla brevicornis 1 small ♀: not mounted
Acrodactyla degener ♂ ♀ [illegible] G. madida ? 1♀, ent. 32.
Tryphonid: ♂, black, white face, looks nice!
= Genus of ? ent. 32 =
Stenomacrus ventralis 2♂♂, 1♀: not mounted.
St. [illegible] 2♀♀, one small (ent. 20) & one larger (ent. 21).

26. 9. 43, cont. B'cty., S.T., cont.
Taken at 3, cont.
Mesochorus ♀.
Meteorus ♂ & one other Campoplegid
=
Aperileptus ♂
Helictes ♂
} None mounted!

Apanteles fulvipes prob. 2♀♀ =
Blacus tripudians ♂.
Opius singularis 5 (♂♂ & ♀)
O. [illegible] 1
O. cf. [illegible] ♀, ent. 13: [illegible]
Alloea contracta ♂ Pentapleura pumilio 2♀♀
Adelura [illegible] ♀, ent. 34
Phaenocarpa picinervis ♂ & ruficeps, 1♂ of each. ♂ mounted, ent. 35
Aspilota 10, including = G. dentifemur 2♀♀, ent. 19 & 20.
G. minutissima 1 [illegible] ♀, ent. 16. G. [illegible] ♀, ent. 17.
G. [illegible] ♂, [illegible], ent. 22, [illegible]
G. fuscicornis 1♂ (ent. 17) & 2♀♀ (ent. 14)
G. [illegible] 1♀, ent. 17
G. [illegible] 1♂, [illegible], ent. 18, ? fuscicornis but [illegible] small

15

26.9.43, cont. [illegible] county, 5 T., cont.

Taken at 3, cont.

[illegible] group ([illegible]) ([illegible])

△ [illegible] 10, 17.

△ [illegible] 10, ant 24.

△ ([illegible]) sp. ? new [illegible] [illegible] for the [illegible] [illegible] [illegible] top [illegible] 25

Proctos 17: [illegible] =

Chalcids 2: not std

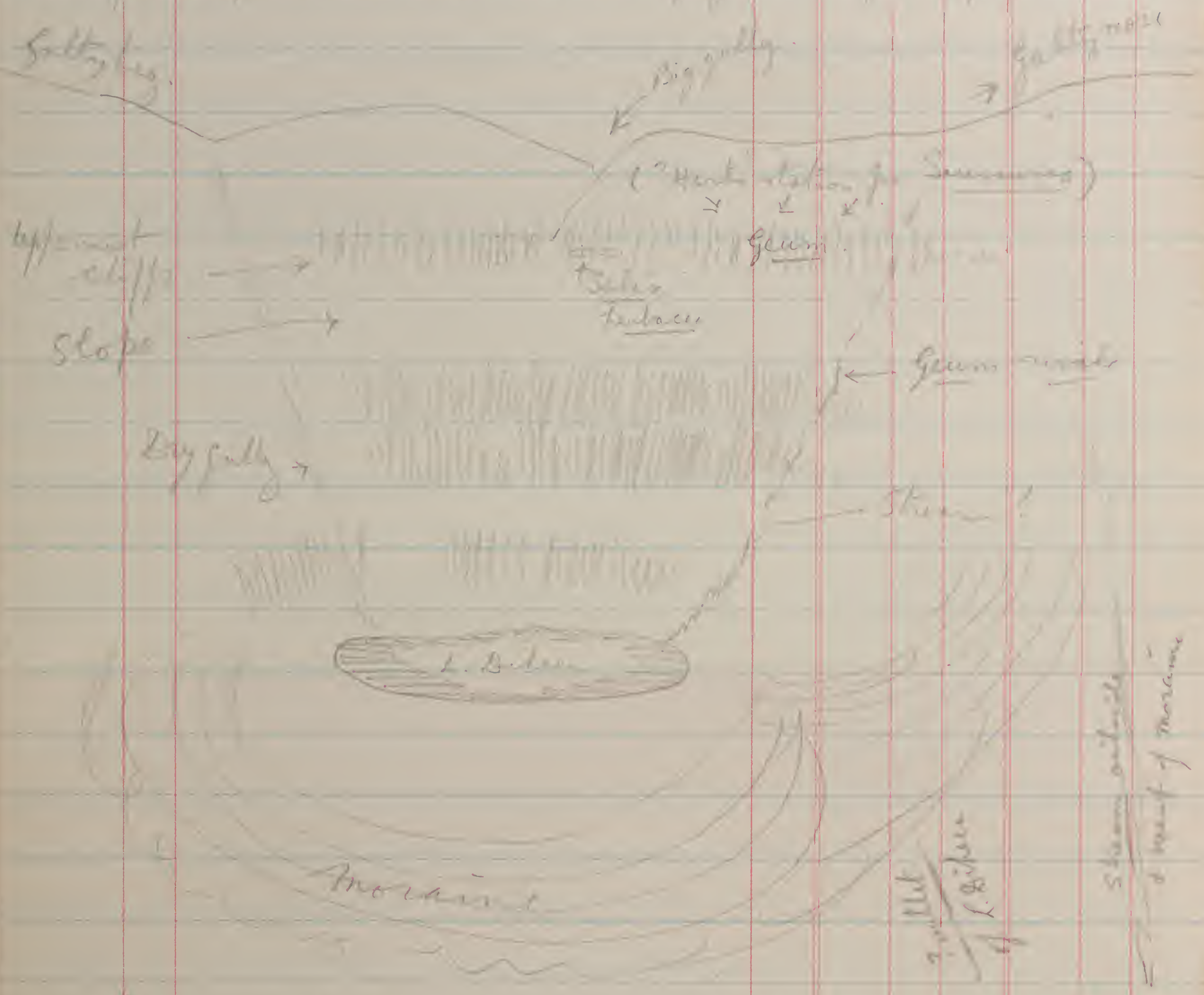
Cynipids 1: not std

(15

27th Sept. 1943. A beautiful morning after a fine, frosty night — hoar frost in valley, inside hut [illegible] — [illegible] glorious [illegible] the day before [illegible] by night, cloud drift NE & no wind in valley. Then [illegible] at 10.20 for the [illegible] [illegible] for [illegible] & Mark's recording station. By 11.30 wind had sprung up from SW & sky all overcast, but we pushed on up valley, [illegible] reached [illegible] of the [illegible] & [illegible] at 11.50, [illegible] along the [illegible] edge of a depression [illegible] 20 miles to W. & [illegible]. The [illegible] up to top western cliff — the only [illegible] that could [illegible] the [illegible] record for [illegible] of [illegible] 400 feet [illegible] the summit [illegible] from below: then retired to shelter 200 feet down for lunch: after lunch reascended to the cliff & worked it thoroughly from below & above [illegible] the big gully just E. of [illegible] Saxifraga [illegible] (evidently the [illegible] Mark) but no trace of [illegible] [illegible] W. edge of cliff & [illegible] of upper cliff. [illegible]

P.T.O. →

27. 9. 43, cont. L. Diben, Gatter, ST, cont.


Gully beg.
Big gully
Gully mor
(? Hart's station for Saussurea)
Geum
Salix terraces
uppermost cliffs
Slope
Geum rivale
Big gully
Stream !
L. Diben
moraine
? outlet of L. Diben
Stream outside & west of moraine

On the way up moraine & W of stream coming out of moraine (? outlet of L. Diben) at west end of same, crossed a small stream in gully in which grew only a fine-leaved Mossy Saxifrage (? hypnoides), while in the corrie itself only the broad-leaved (Sax. hirta ?) occurs, the latter continuing right up.

27. 9. 43 cont. L. Diben, cont.

cliffs & stream at west end of cliffs to the slopes, above anything that could be called a cliff, & although it occurs in the top cliffs somewhat (? according to its environment) with the fine-leaved form seen by me here [but seen here in 1945. A.H.S.]. After to-day's search on the top of cliff (which alone fits that record & is most inaccessible from the plant point of view by cliffs & traffic by sheep) I feel very confident that Saussurea does not grow there now. [Hart's clump of Saussurea refound here in 1945! A.H.S.] Came down as rain & storm threatening, coming in the left corrie after ascending to ridge behind it about 3 P.M. & got home about 4.30 just before real rain came on.

Did not collect any insects!

28th Sept 1943. A fine morning, with strong NE wind, after a wild night with some rain. Turned hot sun after 10 AM & quite mild though wind NE, but backing to N & then NW in afternoon & getting warmer.

In morning set insects, but about 1 P.M. went across Achiler river near the church & collected

28. 9. 43, cont.   Aherlow, S.T., cont.

in small sheltered field along the tributary stream from Clady bridge & Glencushabinna = Aherlow (1) 28 9 43.

In afternoon went into Ballinacourty demesne & across field N of stables: many bees out along avenue & in sheltered NE corner of field but with Halictus rubicundus ♂♂ & ♀♀. Fresh ♂♂ & ♀♀ of Bombus lucorum seen. Later went W. across field & then into wood through cut-down plantation, where on pine stumps we discovered nearly a dozen Ephialtes (? tuberculatus) ♀♀ at work egg-laying. In the case of this species the ovipositor is brought forward at a sharp angle under the body & the sheaths apparently used to guide it into a crack, but once it is entered the sheaths are quickly drawn back & held aloft & the body raised until the insect is almost standing on its head & the ovipositor gradually becomes vertical, the insect from time to time circling round its terebra as if searching for an easier way to push the latter in. When the

28. 9. 43, cont. Aherlow & Ballinacourty, S.T., cont.

ovipositor had been pushed in its full length the abdomen it was rapidly pulled up & pushed down several times for a quarter or perhaps half a minute & then the insect simply walked forwards & pulled the terebra out in the [illegible]. In the case of one ♀ the whole process was repeated three times in about five minutes & I find it difficult to believe that she actually laid 3 eggs in the bodies of 3 victims within that time!!!

What the victims were I cannot say, but all the stumps the Ephialtes were seen on had large & conspicuous bore-holes & were I think spruce; I therefore suggest Tetropium [illegible] as the probable host, though I have no proof to offer, except that the holes seen in the stumps appeared too large for Rhagium & were certainly not Sirex I think.

Just before reaching this cut down plantation we crossed a small stream on the clay bank of which Davey saw a pair of Bembidion beetles running about & which I collected for O'Mahony & shook the overhanging herbage to get more, but instead shook down a ♀

[Cont. on p. 34 →

10th Oct. 1943. A poor day, windy, with
SE.–SW gales, some little drizzle in afternoon,
after a very fine day on Sat (9th), but much
colder weather during previous week.
Rode to Louisa Bridge, Royal Canal,
W. of Leixlip, where arrived about 10.30,
swept N. side of turnip field between
canal & Maynooth road, W. of bridge, (=1)
as before, till 1 P.M., when first skiff of
rain fell & so had lunch; after lunch
went further along canal & swept plantation
between tow-path & Mr Mitchell's field, as
often before (=2). Skiffs of rain about
3 P.M. becoming heavier, stopped all collecting,
so had tea & rode home, some fine rain,
but on wet roads. Arrived home 5.45.

Swept along W. side of turnip field,
¼ mile W of Louisa Br., Royal Canal,
10/10/43. Taken at 1. [80 mounted from 1 & then labelled 16.2.46] Co. KD.
Epitomus pygmaeus 2♀♀
Cryptinae 8, including 3♀♀ [illegible] ([illegible] 1♀ & mutabilis 2♀♀), [illegible] [illegible], [illegible] [illegible] ♂
not listed 20 not 21 not 14

10/10/43, cont. Royal Canal, Co. KD., cont.
Taken at 1, cont.
Hemiteles ♀, not 21
[illegible] [illegible] ? ♀, not 28.
[illegible] [illegible] ♂ & ♀ [illegible] [illegible] ? ♀
[illegible] [illegible] 2♂♂ [illegible] [illegible] ♀, not 20.
"Mesochorus" 2♂♂ [illegible] [illegible] [illegible] [illegible] [illegible]
= [illegible], not [illegible]
Taken here 1 ♀ [illegible] ♂♂ with [illegible] [illegible] of 2
[illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] would
[illegible] [illegible] in regard. [illegible] 10.10.43.
Mesochorus 3♂♂, 2♀♀

Campoplegidae 4♂♂ = [illegible] [illegible], not 23, 26, 27 & 29

Proctotrupes [illegible] : 1♀, not 21, [illegible]
= [illegible]
[illegible] [illegible] ? ♀.
[illegible] ♀ ? [illegible] ? [illegible] ♂ [illegible]
Sigalphus [illegible] ♀, very [illegible]
Blacus ruficornis ♀, not 20.
B. diversicornis ♀, not 20.

10.10.43, cont. Regent Canal, K.D., cont.

Taken at 1, cont.

Opius [illegible] ♀, with [illegible], ant. 32

O. [illegible] [illegible], ant. 27, [illegible]

O. lævis Wesm.? ♀, ant. 22

Alysia manducator ♂: [illegible]

Alloea contracta 11 ♀♀ + only [illegible] with [illegible] wings [illegible] only at [illegible]

Pentapleura pumilio ♀, ant 19. P. angusticollis 2 ♂♂ + 1 ♀, ant. 22, 23 & 17.

Aphaereta [illegible] ♀, small, ant. only 18 [illegible] the old

Phaenocarpa [illegible] 1 ♀. P. [illegible] 2 ♀♀, [illegible]

Aspilota sp. 9 = A. [illegible] (♂ ant. 21), 1 ♀, ant. 19.

A. [illegible] 2 [illegible] ♀♀, ant. 15 & 16. A. ruficornis? ♂, ant. 19.

A. (Synaldis) [illegible] ♂, ant. 20

A. (S.) 3 ♀♀, ant. 17, 18 & 18.

Dacnusa pubescens & areolaris group fragment, about 40 taken, mostly ♀♀, [illegible] 27.

also

D. [illegible] ♂, ant. 30.

D. [illegible] ♀, very small, ant. 22.

D. [illegible] 2 ♀♀, ant. [illegible] 27.

D. [illegible] 1 very small ♀, ant. 23.

D. (Gyrocampa) affinis ♂, ant. 25.

15 of these mounted (many in this batch) & sorted on 17.2.46 as follows: — D. maculipes 2 ♂♂, ant. [illegible]

D. [illegible] 2 ♂♂ (ant. 19 & 20), 1 ♀ (ant. 21) [illegible] but no [illegible]! D. [illegible] 2 ♀♀ ant. 23.

D. pubescens 1 ♂ (ant. 25), 3 ♀♀ (ant. 24-25)

D. [illegible] 2 ♂♂ (ant. 22 & 23) & ? 2 ♀♀ (ant. 21 & 22) = this sp. rather than maculipes "but?

10.10.43, cont. R. Canal, K.D., cont.

Taken at 2, cont.

Ephedrus [illegible] ♀, very small, ant. 11

[illegible] ♂, small, ant. 15 = [illegible]

[illegible] ♂, ant. 20

Aphidius [illegible] about 10 [illegible]. 10 mounted = 3 spp.?

A. [illegible]: [illegible] ♂ (ant. 15) & ♀ (ant. 13) [illegible]

A. [illegible]: [illegible], 3 ♂♂ (ant. 17, 20, 20), 1 ♀ (ant. 19).

A. [illegible]: [illegible]; 3 ♂♂ (ant. 17-18); 1 ♀ (ant. 17).

Proctos 36, including a [illegible] of [illegible] small [illegible] (♂♂ & ♀♀): 6 in all [illegible].

Chalcids 18 [illegible]

Cynipids 5 [illegible]

Diplazon 1 = [illegible] ([illegible]) [illegible]

Hemiptera 2 = [illegible] & [illegible]

25.

K.D.

10. 10. 43, cont. [illegible] Canal, Conwy.

Swept in plantation [illegible]

Mitchell, [illegible] 11 of [illegible] Bridge

11. Taken at 2. [illegible]

[illegible] pumilio ♀

Cryptus 25, of [illegible] of the [illegible] group. 12 [illegible], as follows:—

[illegible] [illegible], [illegible], cat. 17, 9 [illegible]

[illegible] [illegible], [illegible] ♂, cat. 18 [illegible] =

[illegible] [illegible] [illegible] cat. [illegible]

Microcryptus [illegible] ♀, [illegible], cat. 21. [illegible] [illegible]

Pimpla [illegible] ♀, cat. 15.

Mesoleius 2 ♂♂, [illegible] not std. [illegible] face, [illegible]

= [illegible] [illegible] 1♂ (cat. 48), 1♀ (cat. 47)

[illegible] [illegible] ♂ : not std.

[illegible] ♂: not std.

[illegible] ♂ = Cymodusa [illegible] ♂

[illegible] ♀ not std.

Colastes braconius ♀ } not std.

[illegible] [illegible] ♂ }

26

10. 10. 43, cont. [illegible]

Taken at 2 cont.

[illegible] ♀. A. [illegible] ♂

[illegible] [illegible] 2 ♀♀; not std.

B. [illegible] ♂ ; not std.

B. [illegible] ?? [illegible] ♂ [illegible] [illegible] cat. 21.

B. [illegible] ♀, cat. 20.

[illegible] sp. = [illegible] ♂, cat. [illegible]

[illegible] [illegible] cat. 16.

Dacnusa [illegible] [illegible] ? 3 ♀♀ } [illegible]

D. [illegible] ♀ D. [illegible] 1♀ } mounted

D. [illegible] ♂ ♀, cat. 24.

[illegible] [illegible] ♂ . not std.

[illegible] ♀ . 2 mounted =

Chelonus ♀ : 3 mounted = [illegible] [illegible]

[illegible] ♀. not std.

27

13th Oct 1943. A most perfect day, with cloudless sky & very light air, gentle wind in NNW in forenoon, SW in the afternoon; after a depression on 12th. with much rain during night. In afternoon went to head of upper reservoir in Glenasmole, arriving at 3.30 & sought flat ground & edge of swamp for an hour, the flat ground now occupied by about 200 sheep & [illegible], on the edge & [illegible] nibbled down by the unfortunate creatures, & no [illegible] for the people who have to drink the water.

Many insects about!

Sandflat at head of upper reservoir,
Glenasmole, Co. Dub., 3.30 – 5.0 P.M.

[illegible] 23, mostly ♂♂, including [illegible] of [illegible]
[illegible] (common) & [illegible] ♀, ent. 22

[illegible] ? ♀, ent. 21   H. ? ♂, ent. 24

H. 2 ♂♂, ent. [illegible] 19

[illegible] 2 ♂♂, 3 ♀♀ [illegible]

St. [illegible]? ♂, ent. 22

13-10-43, cont. Glenasmole, Dub., cont.

[illegible] 1♀, ent. 22

[illegible] ♂, ent. 22

[illegible] ♂, [illegible]

Gonatypus melanostoma [illegible] ♀, ent. 21 [illegible]

[illegible] 2 ♂♂, 1♀, [illegible]

[illegible] ♂, ent. 22 } [illegible]
O. [illegible]? ♀ ent. 22 } [illegible] 20. 2. 1946

[illegible] (16 [illegible])

[illegible] 1♀ [illegible]

[illegible] 4 ♂♂ [illegible] } D. [illegible] ♂, ent. 22

[illegible] 1♂, ent. 15 } D. [illegible] ♂ ent. 17

4 mtd. → [illegible] 8 ♂♂, ♀♀ } D. [illegible] ♂, ent. 21

D. [illegible] 3 ♂♂, 1♀, ent. 20, 20 & 20; 26(♀) } D. [illegible]? ♂, ent. 22

[illegible] 3 ♂♂, 1♀. 1♂ (ent. 16) & the ♀ (ent. 12) mtd.

[illegible] ♀ of [illegible] (12 [illegible]) [illegible] ♂ ent. 16 [illegible]

[illegible] 19. 6 mtd.

[illegible] ? } [illegible]
[illegible] ?

[illegible]

17th Oct 1943. A fine day, with light [illegible] wind, SW in forenoon, E in afternoon, & bright sun, with barometer low — at bottom of depression since midday on 16th, after heavy rain & gale on night of 15th–16th & morning of 16th.

George at home on leave. Did not go out till afternoon & then went by 1.30 bus to Marlay & after spending a couple of hours in the demesne, went up lane behind St Columba's College to enjoy the view & returned to Kilmashogue Bridge to catch 5.0 bus from Tibradden for home. Did not take net, nor did not look seriously for insects, but the following taken with notes or seen. [Insects mounted & these labelled on 22.8.1946.]

Marlay, Co. Dublin 2 to 4 pm

Vespa vulgaris ♀♀ & ♂ on ivy blossom in various places.
[Bombus [illegible] seen by George & heard by G & myself on slope of Kilmashogue above St. Columba's College]
Eristalis [illegible] ♀, feeding at ivy, ent. 24.
? ? ♂, ent. 26.
Chrysotoxum ♀, ent. 21. Pollenia rudis ♂, ent. 21.
Rhyssa 2
Syrphid 1

22nd – 24th Oct. Three very fine & mild days with [illegible] bright sun, after [illegible] nights, low glass, heavy falls of [illegible] & [illegible] on morning of 22nd, [illegible] heavy rain [illegible] night from 5.30 pm [illegible] daylight.

On 22nd I saw a fresh-looking ♀ Bombus agrorum (♀ or ♂?) at Campanula flowers in front garden. Many wasps about garden, including a ♀ on 24th.

29th Oct 1943. A mild dry & dull day, the whole week since 24th which was sunny. In afternoon [illegible] on a Bombus (probably agrorum) on Lavender flowers in back garden.

3rd Nov 1943. A lovely day, with bright sun after 10 am, following 3 very mild & misty wet days, with very heavy rain during the 3 previous nights.

In afternoon rode to Phoenix Park mainly to enjoy the sun, but while sitting looking down into the lower part of the Furry Glen saw many wasps (no doubt all V. vulgaris) & one Bombus agrorum

3rd Nov. 1943, cont.

Phoenix Park, Dublin, cont.

At about 4.20 [illegible] for [illegible] in the [illegible] along edge of Bird plantation between Ferry [illegible] & Knockmaroon gate & just E of the [illegible] running parallel to the glen. [[illegible] 1948]

Vespa [probably vulgaris] 9 ♀ [illegible] [illegible] [probably [illegible]] [illegible].

[illegible] 3, [illegible], ant. 23 =

[illegible] : 3 ♀♀, ant. 19, 20 & 20.

A [illegible]

Humble [illegible] ♀♀, [illegible], ant 19 & 30

[illegible] [illegible] not obs.

St. 20 [illegible]

[illegible] of [illegible]

[illegible] of [illegible] 2 ♀, ant 18

[illegible] 2 ♀♀, [illegible], ant 15[illegible], 18 & 18;

[illegible], very [illegible]; very [illegible]

[illegible].

7th – 21st Nov 1943.

Weather continued v. mild, with [illegible] [illegible] [illegible] [illegible]. Temperature fell [illegible] from about 5 P.M. a great [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

Common Gulls appeared in [illegible] Lawn for first time this winter on 15th & were [illegible] of following week but none yet seen in [illegible] of [illegible]. [illegible] [illegible] November [illegible] all seen [illegible] [illegible] [illegible].

December 1943. Mostly wet, but some fine days, cool & then & rain in the night, frosty especially 1 night hard frost during the fresh days. Warm. Barometer very high & steady (ca 30.5") all day, and a weaker mild but very cloudy, with some chilly rain. Did not collect all month. // Having reported Snowdrop out at Darley Rd. on 22nd but one one did not appear above ground till the new year.

Notes on Glen of Aberlour trip cont. from p. 20.

28. 9. 43, cont. Aberlour & Ballinacounty ST, cont.

[cont from p. 20] a ♀ freshly emerged Hymenopteron which proved to be an Orgilus (? Orgilus parvipennis Thom.) = Ballinacounty (2) 28.9.43.

On way back to hotel between 5 & 5.30 PM swept Sphagnum, bottom around N. of stile & field as on 26.9.43 (2).

28. 9. 43, cont. [44 mounted from 1 & these labelled on [illegible]]

Taken at 1. Field near Aberlour Rly. 1 to 1.30 PM.
Catching at with black-topped pint tin.
Microgaster [illegible] 1 ♀, vol. 26. 1
Other ichn. vol. 1 3♂♂ = Stilpnus [illegible] of [illegible], vol. [illegible]
[illegible] [illegible] [illegible] [illegible]
Cryptinae 18, including Atractodes & off. 9 species [illegible]
Leptocryptus [illegible] 4♂♂, 3♀♀, and a black [illegible]
H. spectator 2♂♂ (on all, vol. 41). All mounted [illegible] [illegible] [illegible] [illegible] [illegible] the same species.

Atractodes [illegible] ♀, vol. 28.

28.9.43, cont. Akerlow, S.T., cont.
Taken at 1, cont.
Pimpla [illegible] 1 large ♀. Schizopyga [illegible] ♂ std.
Bracon [illegible] ♀, P. [illegible] ♂♂ not std.
Bassus tricinctus ♂ Homocidus pallipes, not std 2♂♂, ♀.
Stenomacrus sp. 5 = St. [illegible] 1♀, std. [illegible]
St. [illegible] ♂, std 25.26.
St. of [illegible] 2♂♂, std 25.26. Orthocentrus [illegible] std 24
Mesoleius [illegible] ♀; std. 36.
Leptopygus [illegible] ♂ [illegible]
Campoplegidae 8: none std.

Plectiscidae ♂, very long tergite 1, std 22

Apanteles of fulvipes 1♂, 2♀♀, std [illegible]
A. [illegible], [illegible] ♂ 2♀♀.
=
Blacus [illegible] ♂ - not std.
Diospilus [illegible] ♀ 2♂♂: 1 std. ([illegible]).
Pentapleura angustula ♀♂ std & pumila 1♀ std.
Phaenocarpa ruficeps 1 large ♀; std 27.
P. conspurcator ♂, + P. picinervis ♂: neither std.

28.9.43, cont. Akerlow, S.T., cont.
Taken at 1, cont.
[illegible] sp. 3 = 4 [illegible] ♂, std 24.
G. ater ♀, std 21. G. ([illegible]) [illegible] ♂ std 22
Dacnusa [illegible] 6; none std.
D. [illegible] 2 small ♀♀ (std. ant. only 23, [illegible]) D. [illegible], std 28.
D. [illegible] ♀, std 21. D. [illegible] ♂, std 27
D. [illegible] ♀, std 22. D. [illegible] ♂, std 23.
Praon volucre ♂, not std.
Proctos. 18; 2 std.

Chalcids. 8; 2 std.

Cynipids 9; none std.

Beetle. Blue [illegible], ♂ given to T. O'[illegible]

28.9.43, cont. Ballinacourty demesne, ST.
Taken at 2. Field, stumps, &c. N. of stables!

Cryptus sp. ? moestator "dark var. fide Roman", out 41.

Ephialtes "tuberculata"? 3♀♀ taken, & about a dozen seen, at (Spruce?) stumps, in and above plantation at NW. corner of field N. of stables. For notes on same see p. 19-20, ante.

Pezomachus [illegible] shaken, on bank of stream, 6 small wingless ♂, out 19.

Lissonota sulphurifera ("out 2") ♀ at Lime stump at same place as Ephialtes. [illegible]!

L. [illegible] ? ♀: not set

Cymodusa sp. [See opp. page!] ♂. not set.

Orgilus punctiformis Thom.? ♀ shaken out of overhanging grass, &c, at bank of stream. out 24
For note see p. 20, ante

[illegible]. 1, with tail! = (wingless)

Formica fusca? [illegible]

28.9.43, cont. Ballinacourty demesne, ST. cont.
Taken at 3. Plantation between field & stables.
(same station as (3) 26.9.43). [30 ants from 3 & then [illegible] on 13.2.46!]

Cryptinids 7, including Pezomachus rufulus? ♀♀ & Pez. sp. ♂ [illegible] Atractodes out 28.1

Stenomacrus ventralis 2♀♀ not set
St. [illegible] ♀, out 18. St. [illegible] ? ♂ out 23 [illegible]
Cymodusa leucocera? 2♂♂ same as [illegible] at 2. 1 set [illegible] out.

Aperileptus [illegible] ? 2♂♂. 1 set. [illegible] mounted but [illegible] 12.2.46.
Blacus rufescens & trifasciatus ♂3 ♀ [illegible] & I think all of former ♀♀ & of latter ♂♂!!!
Opius irregularis ♂. not set.
Alloea contracta ♂. not set.
Phaenocarpa ruficeps 3♂♂ not set
Ph. [illegible] 1 ♂, out 30
Adelura flaviventris ♀, out 17.
Aspilota spp. 7 including A. dentifemur 2♀♀, ← 1 large, out 20, 1 small, out 18
A. cynipides ♀, out 19. A. minutissima ♀, out 16.
A. of [illegible] group ♂, out 23.

28.9.43(3) cont. Ballinacourty, ST, cont.
Taken at 2, cont.
Aspilota fuscicornis ♂, set 17.
A. (Synaldis) [illegible] ♀, set 17.
Dacnusa areolaris prob. 6 (♂♂ & ♀♀); none set.
D. elegantula 2♀♀, set 25 & 37. D. [illegible] 1 [illegible] ♀ set 22.
D. pubescens ♂ & ♀, not set.
D. longiradialis ♂, set 21.
D. affinis 2♂♂, 1♀, set.
D. [illegible] with ♀ & [illegible] ♀, set 30

Ephedrus validus ♀; set 11.

Proctos. 18; 4 set.

Chalcids (including 1 Mymarid) 3; [illegible]
& all mutilated by [illegible]

Cynipids 2. not set.

29th Sept. 1943. Hot, misty, rain nearly all day! Sat indoors in morning & in afternoon during dry spell rode across valley to visit "Bob" [illegible] of "[illegible]" who the day before we left Dublin had sent a Convolvulus Hawk-moth to the museum & found him a very nice young man of better class farmer type, who keeps bees. Did not collect all day. Hemiteles [illegible] 2♀♀} taken in hotel window. Chalcid 1♀ =

30th Sept. 1943. Left hotel on bikes at 11 A.M. & rode via Bansha to train at Limerick Junct. to catch 2.45 train for Dublin — luggage sent by pony trap! — which reached at 6.30 & home at 7 P.M. & so ended our Autumn Holiday.

Stopped at noon & did a little collecting by sweeping in Bansha Wood, ST, on edge of Aherlow Castle woods & forestry plantation N of same, but everything very wet after previous days' rain! Very hot & humid in shelter!

30.9.43 cont. Banks Wood, S.T.
Noon till 1 P.M. [[illegible] [illegible] [illegible] [illegible] [illegible] 1900]
Vespa vulgaris ☿☿: one very dark specimen noted.
Bombus lucorum ♂ & a pratorum ♀
Halictus rubicundus ♂♂
Formica fusca ☿☿
Myrmica scabrinodis ☿☿.

Cryptinids 5 (including)
Pezomachus [illegible] : 2 ♀♀, not 19 [illegible]
Hemiteles ♀, not 21
H. ♀, not 17
Lissonota variabilis: ♀, not 40
Homocidus [illegible] ♂, not 28
Stenomacrus ventralis 2♂♂, 2♀♀: not ntd.

Colastes braconius 4♀♀ (1 very small! [illegible], not 35.)

Zele infumator lyb. ♀, not 47; [illegible] [illegible].
Aspilota spp. 2♂♂, 1♀ =
A. sp. nr. [illegible] ♀, not 25
A. sp. [illegible] ♂, not 19
A. fuscicornis ♀, not 16

30.9.43, cont. Banks Wood, S.T. cont.

Dacnusa areolaris group 26 — all ♀♀ : [illegible]
= 2 [illegible] & [illegible], not 33
Proctos. 18 : 2 only ntd.

Chalcids 9 (only 1 mounted: with very peculiar [illegible] middle legs; wings torn off in mount!) =
Cynipids 2 : not ntd.

Ichneumonidae bred from or thought to be attacking larvae & pupae of the Red Admiral Butterfly (V. atalanta) at Roche's Hotel, Glengarriff, Co. W. Cork. These were brought me in [illegible] 1943 by J.S. [illegible].

1. A series of 10♂, 11♀♀ bred from chrysalises of atalanta & dated 29.7.1943. These are all I believe referable to Hemiteles melanarius Gr.

2. 1♀ Hemiteles melanarius, 1♀ Pimpla instigator & 1♀ [illegible] seen attacking pupae ("fresh & soft") of atalanta on 10.7.1943.

3. 1♂, 2♀♀ bred from pupae of atalanta on 24.7.1943 — all Pimpla instigator!

4. 4♀♀ Phobocampa confusa & 1♀ Gelis [illegible] found attending & suspected of attacking larvae of atalanta (date not noted! probably May or June 1943.

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5. A series of hyperparasites bred from the characteristic cocoons of Phobocampa

(presumably P. confusa Thoms.). These consist of Chalcids, Gelis & [illegible] & Leptocryptus & were bred from V. urticae & V. io & not from atalanta

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15.9.'43. brought into museum [illegible] on holiday by Mrs Beere & bred from Aphids on Sweet Pea from her Rathfarnham garden — [illegible] ♀. ent. 10.9. small & Syrphus

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12.10.'43. taken by E. O'Mahony on museum window. — [illegible] ? ♀. ent. 16

6.10.'43. Taken at St Columba's College, Co. Dublin by Ivan M. Goodbody — [illegible] ♀.

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(1) 12.10.'43. Hemipteron taken at Royal Canal, K.D. = Lygus pratensis (L.) L. ♂, fide Dr A.M. Massee, 1964

Galls on Salix repens. See p. 66 to follow →

During the 1st Aug [illegible] of 1943 Mr French [illegible] collected many branches of Salix repens. These bore [illegible] galled by Pontania [illegible]. The first of them commenced to emerge on 5th April 1944. Altogether only 10♂, 4♀♀ emerged & all were [illegible] [illegible]. I assume that all came from galls on the twigs & none from the [illegible] galls on the leaves. The galls were collected on an island in L. Corrib, Co. Galway N., [illegible] extends [illegible].

1944.

January opened very mild & dry, with a gale on 2nd followed by mild still weather, & just a trace of frost on night of 6th. Frogspawn [illegible] on 5th. Snowdrops (1) in garden found drawing room window ready & open on 7th. On that day received a letter from J. S. [illegible] (of [illegible] Hotel, Glengarriff) saying that Tuesday (4th Jan.) had been like a summer's day there & he had seen 4 ♀♀ of Bombus lucorum at flowers of Erica.

12th Jan. 44. A fine day with some sun, [illegible]. At 3 P.M. found a Peacock butterfly flitting on window in outer room, so let it out & it flew away strongly up garden. This is probably one that got [illegible] there [illegible] weeks previously which had been out to [illegible] & had almost certainly come out of a state of torpor. It was therefore not a true case of coming out of hibernation!

16th Jan. Daphne laureola at first seen with many flowers open — probably open several days.

17th January 1944. Very mild, with [illegible] in morning, fine evening, mild etc., & [illegible] rain in afternoon; wind SW–NW later.
First yellow Crocus out in front garden by path to gate. Leafy spikes on plants of Iris stylosa. [illegible] coming up.

24th Jan. The blue Scillas well in flower at [illegible], Glenageary.

27th–29th Jan 1944. These three days were mild with much sun — almost summer-like — but with strong S.W. wind. Yellow Crocuses now well out in front garden by path to gate & under drawing room window & beside hall door. 1st flower on Sax. apiculata by front path opened on 28th. Mediterranean Heath in back garden (the earliest bush!) with flowers seemingly out; but ? if actually open.

30th Jan. An almost summer day, with much hot sun but strong breeze — SW in forenoon, through E. in afternoon & evening. Rode on bike to Glenasmole in afternoon & walked half way up E. side of upper lake. Saw Coltsfoot on bare bank by avenue below lower dam & L. Celandine by stream near Morris's garden in flower, also Hazels well out, but Primroses not seen yet

30. 1. 44, cont.
except in Morris's garden & [illegible] near foot bridge at end of path on the [illegible] garden. Leaves just out on some Elder bushes at Bohernabreena. [See report of [illegible] from [illegible] on p. 49 →]
In back garden, [illegible], a few flowers on Sax. oppositifolia (small form?) in back garden, W. side, of Snowdon plant.

31st Jan. 1944. An even sunnier day, after a misty morning. Wind SW–N & cooler. In afternoon Daisy reported two flowers on an Almond Tree in Highfield Rd., Rathgar, as well as odd flowers on the Japanese Cherry.

1st Feb 1944. After a depression during night & rain in early morning, a very fine day with hot sun from noon onwards & very strong S.W. wind.

2nd February 1944. A fine day with strong SW–W wind [illegible]. [illegible] hot sun in middle of day, after rain in early morning & again at night.

2.2.44 cont.

In back & front garden flowers on substantial number of [illegible] (the [illegible] forms – each side back garden & front garden [illegible] the Rosemary plant in front garden. [illegible] in back garden still [illegible] yet out.

A white Jonquil in flower in front garden & tips of Chionodoxa just showing.

D. Meikle (of F.C.D. & Wards, Co. Dublin) reported first flowers out on Almond in College Park, but no flowers out yet on those in Earlsfort Terrace, though buds pink.

In afternoon rode to Phoenix Park & to W end of same & home via Chapelizod but saw nothing of interest.

Fergus O'Rourke reported seeing a few Brimstone [illegible] close to [illegible] village Co. Dublin on Sunday 30th January.

Two white crocus flowers appeared amongst the yellow ones on path to front gate

4th Feb 1944. Purple crocuses by path to front gate in flower. This day cold with strong N-NW wind

4.2.44 cont.

1st flowers on Almond tree in [illegible] Square.

5.2.44. 1st flowers on Almond in Earlsfort Terrace (U.C.D.).

This day [illegible] dry with gentle E. breeze, [illegible] for a couple of hours in [illegible].

6.2.44. Strong S.W. wind, mist & rain, cool. In afternoon walked from Rathfarnham via Templeogue bridge & Willington Ho. back to Kimmage Rd bus. Much Celandine now out at Willington Ho. One plant of Anthriscus sylvestris in full flower on sunny side of Butterfield Lane & in shelter of hedge; no other plant seen even in bud!

7.2.44. Forsythia in flower at U.C.D. in Earlsfort Terrace & probably out a day or two. Leaf on plant of Anemone apennina in front garden on 6.2.44 & probably up a day or so earlier & not seen.

8.2.44. Queen Wasp (V. vulgaris) picked up in [illegible] of house. ([illegible]), but probably out of garden house or adjoining building.

10.2.44. White Violet out in back garden. [[illegible] crocus flowering [illegible] in back garden, while Hyacinths & Chionodoxa almost out in front garden.]

13th Feb 1940. A dry bright [illegible] day, with [illegible] frost, [illegible] with [illegible] wind [illegible] after [illegible] falling glass & rain at [illegible] p.m.

In afternoon went to Marley, Co. Dub., & walked round estate via glen, across [illegible] & back to Rathfarnham. Tried sweeping but took only one small Lycopsid ( ) & one [illegible] Staph. ( ). On way there was a plant of Anthemis cylindrica in full flower by road near [illegible] S of Rathfarnham & in Marley saw Primrose, L. Celandine, Bush Vetch (one plant with many flower stalks), Viola odorata (near garden!) & V. Riviniana in flower.

[Rev. K.M. [illegible] (formerly of [illegible] & now [illegible] Rd.) reported a Chiff-chaff in his garden on 10th (?) & Art O'[illegible] reported a large bumble-bee on a dandelion flower at Ballycorus, Co. Dub., on 3rd Feb., which he doubtfully recognised as a queen Bombus lapidarius, but I suspect it was a [illegible] B. terrestris! A.W.S.]

14th Feb 1940. A very [illegible] day after a [illegible] frost [illegible]

Saw [illegible] of [illegible] in [illegible] garden [illegible] & Crocus in flower [illegible] Bot. garden. One Daffodil in [illegible] garden almost open. First flower on White [illegible] & [illegible] open. [illegible] flower on [illegible] for [illegible] the first [illegible] flowering. The small [illegible] on Kowhai bush in [illegible] garden [illegible] of buds have been [illegible] for some weeks & one single flower opened about 1st Feb. [illegible] remembered that the bush also flowered in Feb. last year — at a time when the bushes of same species in Bot. Garden, Glasnevin, were in winter condition (fide Mr Besant!) — & also that the same bush flowered again in May '39 & produced many berries in the autumn, but these bushes that flowered [illegible] in Feb. flowered [illegible] in May & vice versa! [After a few odd flowers opening over a week or more the plant of Kowhai seems to go into hibernation & no more buds opened during the next month. A.W.S. 6/3/40]

16th Feb. 1944. Lovely sunny forenoon & evening, but afternoon spoiled by very clouded-over sun — a kind of "gloom"! — with snow shower at 4.30 P.M. Rode on bike to Knockmaroon & up R. Liffey to Lucan & home via Clondalkin, but saw nothing of interest & had only a few minutes sun until nearly home. Sallows by the river nearly out — for sale in Dublin as "Pussies" & those left are out, with one exception. [illegible] Hazels had pollen showing on one catkin & others nearly out.

17th – 27th. Much the same, cold with east wind.

27th – 29th Feb. Considerable snow, but never lay long [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]

1st – 2nd March. [illegible] weather, [illegible] brilliant sunny day & frost at night, [illegible] morning & shower of dry powdery snow forenoon on 2nd. About last week in Feb. the first flower spike appeared on the Scilla given me last year by Mrs. O'Brien, but not a fair judge of its flowering date, as I believe I dug it over in autumn by mistake!

[illegible] 1st March 1944

8th March 1944. A beautiful sunny day, after a fairly foggy morning [illegible] [illegible] E. wind [illegible] cold [illegible] road, but [illegible] sunny. Afternoon rode on bike via The Green Hills, Whitehall, road W. of old Tallaght aerodrome, to Jobstown & back to main road via Tallaght & Templeogue. No sign of bees or other hymenoptera. In fields at top of old airfield (now mainly ploughed up) saw hundreds upon hundreds of Golden Plover, as well as large flocks of Lapwings & Starlings, & in a field further on saw many Fieldfares in very fresh & beautiful plumage, whose blue-grey rumps contrasted wonderfully with the brownish wings as they flew away from me in the strong sunlight. Snow still lying on Dublin hills — [illegible] & [illegible] & Kippure to a large extent snow covered.

10th – 15th March 1944

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] after which weather got milder & frost ended [illegible].

15th March 1944. Anemone apennina in front garden flowered — the first flower for this year.

16th March. A beautiful day with very hot sun till 5 P.M. then some slight showers about. Fergus O'Rourke reported seeing a Bumble Bee. Honey Bees very busy on ♀ Salix caprea in back garden & on [illegible] in front garden.

17th March. Another fine day, sunny, with gentle SW breeze & much less wind in forenoon. On duty in museum. Vespa (probably germanica!) ♀ seen in front garden searching about 1 P.M. Red Saxifrage in front garden with flowers practically open. [Open on 19th! AVS.]

18th March 1944. A dull day with odd gleams of sun & strong wind varying from SE to SW, cooling the garden in evening as wind went more west & then rain & high wind at night. At 5.15 pm I saw my first Bumble Bee of season — a ♀ Bombus lucorum — busily feeding at catkins of ♀ Salix caprea in back garden & she was still at work at 7.30 P.M. Then rain threatened & I came into house.

19th March 1944. A fine day, with cold N-NW breeze, sunny in forenoon, but cloud increasing in afternoon. Afternoon cycled to [illegible] & walked up nearly to head of upper lake on E side of brook. Vegetation very backward, but a few willows out by lakes & brook, but no [illegible] & nothing that one could [illegible]. Saw seed of [illegible] on some birch trees at E end of upper dam, but [illegible] & no Chiffchaff heard. Saw one or two Andrena flying round the willows in [illegible] opposite the "Lonely" cottage, below lodge at lower dam, but no Andrena clarkella seen at bank by [illegible] just below this & no bodies seen & no other Hymenoptera seen. Upper lake about 3 ft. below overflow!

22nd March 1944. In afternoon rode to Lucan & back, but found demesne not yet open on week-days for the season & so did not attempt to collect. Saw Blackthorn well out along roadsides in several places. A grey day, almost windless, but E draught in [illegible] SW from The [illegible] to Lucan, with heavy black clouds beyond & evidently rain, & then coming from S. but no drops of rain reached. Some misty rain later in Dublin.

57.

24th March 1944. Weather turned beautifully fine & warm [illegible] of day, with no wind — certainly warmest in Dublin [illegible] so far. White Currant flowers in back garden coming out [illegible] slowly, after being retarded by night frosts. [illegible] Flower spikes in sedge, Carex [illegible], opening, male flowers well advanced.

25th March. An equally fine day, with morning & cloud & very hot sun. Gentle E wind in Dublin & very cool, at 5 P.M. wind SW. [illegible] & sun almost too hot. During afternoon Daisy saw at least 3 Bumble Bees, one of which she recognised as a ♀ B. lucorum on Flowering Currant in back garden & another a B. lapidarius on Blue Scilla in Mrs Bowden's garden in Kenilworth Park. At 7 P.M. in back garden we both saw a ♀ B. terrestris on Flowering Currant in back garden.

26th March (Sunday). Equally fine, no cloud, E breeze & very hot sun.

In forenoon Daisy saw ♀ Bombus terrestris again on Flowering Currant in back garden, & I saw ♀ B. lucorum, while a ♀ B. jonellus paid a fleeting visit to Salix cinerea. Vespa vulgaris several ♀♀ seen in garden.

58

26/3/44, forenoon, cont.

Flowers on both ♂ & ♀ Salix [illegible] in back garden out & those of ♀ visited by Honey Bees, [illegible] many [illegible] at Flowering Currant, & at [illegible] in front garden.

In afternoon rode via Clondalkin to [illegible] bridge & up [illegible] of Grand Canal, where tried sweeping round some small swampy ponds in old sand pit by canal (= 1), on return journey came back to Clondalkin by canal & tried a few minutes sweeping, just [illegible] of path to Dairy farm, ½ mile above Clondalkin (= 2)

Grand Canal Co. Dublin

Bombus lucorum 2 ♀♀ seen on Salix by road W. of Clondalkin

B. jonellus also 2 ♀♀ at Salix with last.

B. agrorum 1 ♀ seen flying across road.

B. derhamellus 1 ♀ watched for some time at, visiting flowers of Dandelion & Coltsfoot.

Andrena nigroaenea ♂♂ ♀ numerous at "The Green Hills", quarries E. of Clondalkin & at 1.

26/3/44, aft., cont. Grand Canal, DU., cont.
Halictus rubicundus ♀♀ at The Green Hills.
H. calceatus or albipes seen at 1

Taken at 1. "Gollierstown" [17 mounted & thus labelled on 22.4.1946.]
[illegible] dimidiatum 2 ♀♀, cat. both 20.
Anthomyia ([illegible]) [illegible] 2 ♂♂; cat. 22 & 23.
Dacnusa areolaris ♂♂ & ♀♀:
3 ♂♂ (cat. 21, 22 & 22) & 3 ♀♀ (cat. 21, 22 & 23) mounted.
Aphidius 1 ♂, cat. 18, black legs [illegible]
Empids 2 =
Chalcids 1 =
[illegible] 1 =
Small Tortoiseshell several seen.
Coleoptera: about 20 species, most given to E. O'M.
Several Oil Beetles seen & the small [illegible]
Phyllotreta [illegible] Thunb. (teste E. O'Mahony.)

Hemiptera 2 = Drymus sylvaticus F. & Cymus glandicolor Hahn.

26/3/1944, aft. cont. Grand Canal, DU., cont.
Taken at 2. "Clondalkin" ([illegible]) [6 mounted & thus labelled 22.4.1946.]
Anthomyia ([illegible]) [illegible] ♂, cat. 22
Dacnusa areolaris ♀, cat. 20.

[illegible] [illegible] 1 ♂, 1 ♀, cat. 16 & 23 respectively.

Empids 1 =
Chalcid 1 =

26/3/44, evening:
Bombus jonellus ♀ seen in Fleming's Cemetery, & back garden, Harold's Cross, Dub.

61

Tuesday

28th March 1944. A glorious day after a misty morning & a chilly misty day on 27th, with gentle E breeze – [illegible]. Entirely sunny & not a cloud in sky till late evening, then a few wisps appeared. Glass fell all day & still falling in evening. At 7 P.M. wind still E at Terenure, but smoke from numerous fires on the hills showed wind to be West there, at least above 1,000 ft.

In afternoon rode to Glenasmole, left bike at Moore's & walked round to the 3rd coomb on E. side of lower reservoir, where spent an hour or more "bugging". Swept a little in places but really nothing out & the best wood destroyed by natives cutting the same & throwing the branches about. Willows nearly in full flower & some even show of leaf. Blackthorn well out, also Wood Sorrel, & many larch trees quite green with leaves. Heard several Chiff-chaffs on slopes opposite Moore's & Daisy heard one just above Mrs Doyle's on way up while I was down at the river.

No sign of other migrants.

62

28.3.44, cont. Glenasmole Co. Dublin cont.

Small Tortoiseshell Butterflies frequent.

Peacock Butterflies, several seen in 3rd coomb & near the ford above Moore's.

Tiger Beetle by roadside. [illegible]

Bombus lapidarius 1 ♀ seen in field above wood.

B. lucorum ♀♀ at willows.

B. jonellus ♀♀ frequent at willows & one noticed at flowers of Gorse for some time.

B. agrorum 2 ♀♀ seen in 3rd coomb.

B. muscorum 1 ♀ seen above 3rd coomb.

Andrena clarkella ♂♂ by roadside, as usual on way up, where flood of 1931 swept road away.

A. apicata? ♂♂ presumably this species seen at usual bank in 3rd coomb, now, alas, almost destroyed by sheep.

Halictus rubicundus ♀♀ at roadside & in 3rd coomb.

H. villosulus ? 1 ♀ probably this species seen in 3rd coomb at bee-bank.

Nomada leucophthalma ♂♂ at roadside & common at bee-bank in 3rd coomb.

28.3.44, contd. Glenasmole, Co. Dublin. [illegible] [illegible] seen in [illegible] [illegible].

[No [illegible] seen or caught!]

Erannis [illegible] 10♂, caught at rest under trees by wall [illegible] near Moores' garden.

[illegible] 1 caught in "willow glade" [illegible] Moores'.

29th – 31st March & 1st April 1944.
Dry, dull & cold with east wind, mainly & thick gloom, at a bad day & falling [illegible] on 1st April, on which day 1st [illegible] [illegible] flowering of [illegible] [illegible] in back garden [illegible] near home wall.

1st April 1944. Strong & cold S.E. wind with drizzle or rain all day & heavy rain all night.

2nd April 1944. [illegible] [illegible] [illegible] [illegible] & a Bombus [illegible] [illegible] at [illegible] in Glencullen, Co. Dublin.

2nd April 1944. Hot, soft, windy, with wind S.W. — the first day of the kind [illegible] [illegible] [illegible] the rain from dawn till (7.30) then a very [illegible] drizzle again.

In afternoon rode to Castleknock & [illegible] along Royal Canal, then turned to go home via Ashtown & the park. [illegible] a little by the path near Morgan's School, Co. Dublin, but [illegible] [illegible] & [illegible] [illegible] seen [illegible] [illegible] [illegible]]

R. Canal, near Morgan's School, Co. Dublin

[illegible] ♂♀ at [illegible] [illegible], = [illegible] [illegible]

Erannis [illegible] ♂♂ & ♀♀
[illegible] [illegible] 40♂,♀ } all worked!
[illegible] 1♂
[illegible] [illegible] [illegible] =

Many small [illegible] taken & given to E. O'Mahony.

4th Ap. 1944. A beautiful day after some rain. [illegible] [illegible] ♂ seen in garden at 1 P.M.

6th Ap. 1944. Saw Bombus lucorum at first Primrose in back garden in forenoon.

Daisy reported seeing the Small White Butterfly this day in Belgrave Sq., Rathmines

65

7th April 1944 (Good Friday)

A beautiful morning, day after a poor, cold day with very little sun. In afternoon went by bus to Marley, Co. Dublin, & spent 1½ hours there. The E wind was not so strong. Did some sweeping along margin of [illegible] beside Whitechurch Rd. & took the following:—

Bombus lucorum ♀ seen.

Andrena [illegible] – a lovely fresh ♂ on flower of Lesser Celandine.

[illegible] ♂ & others

[illegible] ♂, [illegible] prob.

[illegible] 2 ♀♀, ent. [illegible]

[illegible] ♂, ent. [illegible]

[illegible] ♂♂ & ♀♀ } [illegible]

D. [illegible] ♂♂ & ♀♀.

D. [illegible] 2 ♂♂, ent. [illegible]

[illegible] sp. ♂♂ – one kept

[illegible] ♀ [illegible]

[illegible]

9th April 1944 (Easter Sunday). A sunny morning, with E wind, but cloudy in afternoon, with some [illegible], after a depression (without rain) & a cold day with strong SE wind on Saturday.

Did not go anywhere! In afternoon spent some time in garden in very hot sun, & took with sweeper one small black [illegible] fly [illegible] ♀ on White Currant bush; saw also Bombus pratorum 1 ♀ at Salix, B. lucorum 1 ♀ at flowering Currant at 7.30 P.M.; [illegible] Helophilus [illegible] ♀ at [illegible], [illegible] small & several green [illegible] only [illegible] Vespa vulgaris.

Many plants with first flowers just showing, e.g. Silene [illegible] (Garden plant!) & Ranunculus [illegible]. Under a board took specimens of the [illegible] –

8th–9th April 1944. First sawflies emerged from galled stems & leaves of Salix repens sent me on 1st Aug. 1943 from a small island in Lough Corrib Co. Galway, near [illegible], by Frank Meagher & his daughter: = See p. 45 ante!

11th April 1944. At five o'clock, p.m., a Willow Warbler was singing [illegible] further up Glenville Rd. than our house!

13th Ap. 1944. A Small White butterfly seen in front garden at 1.30 P.M. (See note under 6th Ap. on p. 64)

15th Ap. 1944. A fine day after 3 hours rain, & SE wind. [illegible] a bat seen above our back garden. [illegible] black & flower [illegible] Bees & ants [illegible]. [illegible] Co. Antrim, in May 1913 — 31 years ago!) Bombus lucorum, [illegible] & Bombus pratorum. [illegible] & Apis [illegible] ♂, on window, in kitchen house.

16th April 1944. A very fine day, with much hot sun in morning & evening; middle of day mainly cloudy; wind NW, light to [illegible], E [illegible] & no fog inland or cloud; & [illegible]. Left home on bicycle at 10.30 for our first all-day bike of the season & rode to Louisa Bridge, Leixlip, then collected about the

16.4.44. cont.

Rye Water before lunch & then along canal further west till 5.30 P.M. Home at 6.50. Insects [illegible] as follows:—

1 = on both sides of Rye Water, N. of aqueduct but chiefly on left bank, by stream & in sedgy marsh, where I have mainly collected.
2 = edge of canal near Mr [illegible] plantation ½ mile W. of Louisa Bridge.
3 = SE corner of grazing field W. of Mr [illegible] house & next to plantation.
4 = inside walled plantation along canal where I have so often collected in the past.

Aculeates seen during day.

Bombus lucorum, lapidarius, derhamellus (1) & agrorum; also probably [illegible].
Andrena clarkella ♀ [illegible] on Salix during afternoon: the first I have seen in this district, I believe!
Halictus rubicundus ♀.
Salius fuscus ♂?.

16.4.44, contd – Rye Water, KD, contd.

Taken at 1. [illegible]

Sawflies. Dolerus haematodes ♀ [illegible]

Empria [illegible] ♀

[illegible] ♀

[illegible]

[illegible]

Leaves of currant ? not [illegible] mined by [illegible]

[illegible] (Hymenoptera) [illegible] ♀ [illegible]

[illegible] ♂ ♂ + 2 ♀ found

D. [illegible] 1 ♀ D. [illegible]

D. [illegible] 1 ♂

[illegible] 3 ♂ ♂. not [illegible]

[illegible] 2 ♂, [illegible] 4 ♀ ♀

[illegible] ♀ (2 left)

Chalcids 2 (1 left);

Cyn. 1, 2, 3

Many coleoptera

16.4.44, contd – Royal Canal, Co. KD.

Taken at 2 (along canal W of Louisa Bridge!).

[illegible]

[illegible] ♀ [illegible] (in flowers), [illegible]

[illegible] ♂, [illegible]

[illegible] ♀ not mounted.

[illegible] (♀), [illegible]

[illegible] ([illegible]) ♂

[illegible] 1 [illegible]

[illegible] ♂

[illegible] 2 ♂ ♂.

[illegible] 2 [illegible] ♂ ♂, [illegible]

[illegible] ♂ ♂ ([illegible] ♀ [illegible])

[illegible] ♂ [illegible] (in flowers).

Chalcids 7 left.

Many coleoptera given [illegible]

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16.4.44, cont. R. Canal, K.D. cont.
Taken at 3. (in corner of field)
[illegible] 5♂♂, including [illegible]

[illegible] ♀

[illegible] ([illegible]) ♂
[illegible] ♂.

[illegible]
D. [illegible] 2♂♂, ♀
D. [illegible] ♀
[illegible] 2♀♀.
[illegible] ♀

[illegible] 1

[illegible]

[illegible]

72

16.4.44, cont. R. Canal, K.D. cont.
Taken at 4. (in called plantation !) [(1) [illegible] on [illegible] 1944]
[illegible] ♂.
[illegible] ♀.
[illegible] ♀♀ ([illegible]), ent 24.4.[illegible]
[illegible] 2 ♂♂ [illegible]

[illegible] ♀ ♂ ent 27.
[illegible] = [illegible]
[illegible]

[illegible] ♀ [illegible]
[illegible] ♀ ♂, ent 22.

[illegible] ♂, ent [illegible]
[illegible] ([illegible]) of [illegible] ♀, ent 17
[illegible]
D. [illegible] ♀, ent 12, [illegible]
[illegible] ♂, 2♀♀, ent 22
[illegible] ♀ 2♂♂ ent. left 13. =
[illegible] ♂ (ent. 18), 2♀♀ (ent. left 14) [illegible] =
=

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16.4.44, cont. — R. Canal, K.D., cont.
Taken at 4, cont.
Rodents 8 : 4 months.

Coleoptera 5 }
{ months.
Symphyla 5

Collembola many, including Dorrea?
swept near old poplar in 'nursery' of plantation

21.4.44. 30°F. ♀ Anopheles of [illegible] taken in [illegible] on [illegible] in [illegible].

22.4.44. A most [illegible] bred from a [illegible] [illegible] from near Tallaght, Co. Dublin (Fox).

74.

23rd April 1944. Barometer 30.2 at 9 a.m. & 30.2 [illegible] rising following a depression on 19th-22nd, but still [illegible] [illegible] [illegible] [illegible] cloudy, but [illegible] N [illegible] NW [illegible] Dublin; very mild, [illegible] clouds [illegible] light [illegible] wind, with [illegible] [illegible] [illegible] & heavy rain to N. & NW in evening, but no [illegible]. Rode to Rye Water, [illegible] Leixlip at 10.35 & arrived at 12 noon, left Louisa Bridge at 5.25 & home at 6.45, the following [illegible] collected in three areas, as follows —

1 = on right bank of Rye Water, above [illegible], & cliffs at top of 2nd field & along into N. edge [illegible] small [illegible] glen.
2 = in plantation by R. Canal, [illegible] mile W. of Louisa Bridge ("McNicholls"), [illegible] edge of canal ("[illegible]"), & [illegible] taken in SE corner of field NW of plantation.
3 = W & S side of field (this year in [illegible]) [illegible] W. of Louisa Bridge & between canal & Maynooth road, where [illegible] last year & many [illegible] taken.

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23 Sep. 48, contd. Royal Canal, Co. KD.

Taken at 1. [By mounted & then labelled on 27.2.48 [illegible]]

[illegible] [illegible] 1 ♀, ent. 22.

[illegible] 11 ([illegible]) ♂♂ & ♀♀ [illegible]

— [illegible] ♀, ent. 22.

[illegible] ♀, ent. 22.

[illegible] 10 ♂, 3 ♀♀ [illegible]

Bracon [illegible] 1 ♂ ([illegible]), ent. 22.

[illegible] 5 ♂♂ : G. [illegible] ♂, ent. 21.

G. pullata 5 ♀♀. 2 [illegible] ♂♂; ent. 18 [illegible]

D. ([illegible]) [illegible] 2 ♂♂, ent. 21 & 22.

Dacnusa [illegible] very common [illegible]

[illegible] ♂♂ & a few ♀♀

D. [illegible] 2 ♂♂. D. [illegible] 1 ♂.

D. [illegible] 1 ♂.

Ephedrus [illegible] 10 ♂, ♀, [illegible]

[illegible] B.M.S.

Praon [illegible] 1 ♂, not old.

[illegible] 5 ♂♂ & 4 ♀♀, [illegible]

[illegible] ♂, ent. [illegible]

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23 Sep. 48, contd. Royal Canal, KD.

Taken at 1. contd.

Aphidius [illegible] 22, [illegible]

Rats 7.

[illegible] 4.

[illegible] 2.

[illegible] very common.

Taken at 2. Royal Canal, Co. KD.

[illegible] 5 ♂♂ ([illegible]) [By mounted & then labelled on 1.2.1948.]

[illegible] ♂♂ ent. 22 [illegible]

[illegible] ♂, not old.

[illegible] ♀, ent. 33.

77

23 4 [illegible], cont. Royal Canal, KD, cont.
Taken at 2, cont.

Bracon [illegible] ♂, at 24
Apanteles [illegible] ♀
Pentapleura [illegible] ♂ [illegible]
Phaenocarpa [illegible] [illegible]
Aspilota 5 ([illegible] ♀) = A. [illegible] [illegible] 2♂♂, at 20 & 22
A. [illegible] 2♂♂ [illegible] 32; also 1♂ at 23
A. [illegible] ♀, at 17, [illegible]
A. ([illegible]) [illegible] 2♂♂, at 20 & 22
Dacnusa [illegible] ♂ [illegible]
[illegible], at 24
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
D. [illegible] 1♂
D. [illegible] [illegible] 2♂, [illegible] } [illegible]
[illegible] [illegible] 4 ♀♀, [illegible] T. [illegible] [illegible]
T[illegible] 2♂♂, 2♀♀ = T. [illegible] ♀ at 11
T. [illegible] ([illegible]) [illegible] at 11
Aphidius 8 ([illegible] ♀♀) [illegible] 1♀ ([illegible]) 2♀♀ ([illegible]) [illegible]
=

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23 4 [illegible], cont. R. Canal, KD, cont.
Taken at 2, cont.
Proctos: 14 [illegible]

Chalcids. 4

Cynipids 3 [illegible]

[illegible]. 5 [illegible]

Taken at 3. [13 [illegible] [illegible] [illegible] on 2/2/1946]
Cryptinae 6 (5♂♂, 1♀ [illegible]) [illegible]

Stenomesius [illegible] 2♂♂, 1♀, at 25, 26 & 27

Thersilochus ♂
Campoplegids 3♂♂
[illegible]

Apanteles [illegible] 5 (♂♂ & ♀♀)

79

23.4.1944, contd.: Royal Canal, K.D., contd.
Taken at 3, contd.:
Chloroperla torrentium ♂ not [illegible].
Amphinemura [illegible] 1 male ♂, [illegible]
Dicranomyia [illegible] ♂
Z. [illegible] 2♂♂ } none old.
D. [illegible] group about 20, ♂♂ & ♀♀

Microtendipes [illegible] 11 (♂♂ & ♀♀), none old.
Ephydra spp. 12, [illegible] =

Psocids ♂: 1 female [illegible] =

Chalcid 1 }
Ephydra 3 } none old.

Coleoptera ♂ + 1 ♀, green beetle species left unnamed
=
Simuliidae [illegible] ♀ = [illegible]
Bee: Andrena [illegible] ♂
Small fly, orange body, & Diptera.

23.4.44. Taken by E. O'Mahony at St Annes, Clontarf, Co. D. [illegible] [illegible] ♀ [illegible] melanostict[illegible] 8 Oct 32.

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25th April 1944. A fine day with much bright sun & mainly cloudless sky; wind E, very cold, but N [illegible] NW [illegible], yet [illegible] found. At 6 pm [illegible] [illegible] [illegible] in back garden & was caught by hand [illegible] [illegible] subsequently lost. [illegible] a cold wind [illegible] [illegible]. At 5.30 p.m. [illegible] in garden.

26th April 1944. Entirely cloudless, with strong sun after heavy dew (almost frost at night); wind at Dollymount strong & E., wind at Glasnevin Rd., less strong & NW, but [illegible]. Went by bus to Dollymount & arrived at St Anne's about 10.30 & stayed till nearly 5 PM. Swept in 4 areas as follows:—
1 = along the Chestnut Walk, in fields E of same & around lake.
2 = up glen & around pleasure grounds between that & the swamp, & along sides of main avenue pt.!
3 = in swamp above glen.
4 = along Chestnut Walk, i.e. same as station 1 but after 4 p.m. & in very little sun.

26.4.44, cont. St. Anne's, [illegible], C. D.A.

Taken at l. ([illegible] from a [illegible] 1944)

Andrena subopaca ♂ } also one of the commoner

Sphecodes [illegible] ♀ } aculeates seen.

Bombus lucorum, terrestris, lapidarius, pratorum (♀),

[illegible] lapidarius, muscorum, [illegible] ♀♀ [illegible]

Psithyrus barbutellus ♀ seen

Rhogogaster aucupariae ♀

Small [illegible] ♀ = [illegible] ♀

[illegible] ♂

Cryptus [illegible] 8 ♂♂, one [illegible]

Pimpla examinator ? ♂

[illegible] ♀♀

[illegible] ♂. 1st Record 1944

[illegible] ♂.

Campoplegid 1♂

Megastylus ♂ ♂, ent 35

[illegible] ent.

Syrphus [illegible], 50♂♂ [illegible], ent 26 & 28; [illegible] ♂ abundant at [illegible];

true in field S. of [illegible] still abundant at St. [illegible]

[illegible] ♂♂, with [illegible]

not pallipes, [illegible] 3♂♂ mtd, ent. 24, 25 & 25, mid tib. punctured!

[illegible], cont.

26.4.44, cont. St. Anne's, D.U., cont.

Empis [illegible] ? ♀♀, ent. [illegible]

[illegible] ♀

[illegible] , small ♀. ent. [illegible]

[illegible] 6 = [illegible] ♀, ent. 18. [illegible] ♀, ent. 19.

[illegible] complanatus ♂, ent. 24. [illegible] ♂ [illegible]

A. [illegible] ? ♀, ent 17.

D. ([illegible]) ♀, [illegible]

[illegible] tellina ♀? ent. 23, [illegible]

D. [illegible] prop. 3♂♂, ♀, all [illegible] ent [illegible]

[illegible] 5♀♀.

[illegible] ♂, ent. 13 [illegible] (= [illegible] Hal.)

Aphidius [illegible] 6: 3 mtd. = A. [illegible] ♀, ent. 15

A. [illegible] ♀, ent. 14 =

C. [illegible] ♂, ent 14

Praon 8: 3 mtd =

[illegible] 5: 1 [illegible] mtd =

26.4.44, cont. St Anne, C. DU, cont.

Tubes ct 2. [30 mounted & these labelled 15.10.1946 (?)] [illegible]

Stenichneumon ♀ ? 5 ♂♂.

[illegible]

Cryptinae 11 ♂♂, 2 ♀♀, (& ♀♀ left [illegible]).

– Hemiteles ♀, not [illegible]

Phygadeuon ♀, not [illegible]

Bracon [illegible] ♂. [illegible]

Empididae 12 ♂, 2 ♀♀ not mounted

[illegible] 2 ♂♂, 1 ♀, not [illegible]

Rhyssa? [illegible] ♂

[illegible] ♀

[illegible] 2 ♂♂, not 25 & 26 [illegible]

[illegible] ♂, 2 ♀♀.

Euplectrum? ♂ [illegible] with 3[illegible]

E. [illegible] 2, not [illegible]

[illegible] 2 ♀♀ not mounted

Aspilota 12 ([illegible] ♂♂) = Orthostigma ♂ not 51.

O. [illegible] ♂, not 19. [illegible] not 25

[illegible] ♀ 19, [illegible] 4. [illegible] not both 25.

a [illegible] ♂, not 24 [illegible]

a [illegible] ♂, not 24 [illegible]

A. (S.) [illegible] ♀, not 18. A. (S.) [illegible] ♂ not 24.

26.4.44, cont. St Anne, DU, cont.

Tubes ct 2, cont.

Dacnusa [illegible] 13 ([illegible] ♂♂ [illegible] 94).

D. longiradialis, maculipes & affinis [illegible]

D. [illegible] ? ([illegible])

Trioxys ? ♂♂ (12): [illegible] not 13, [illegible]

= [illegible] ([illegible])?

Monoctonus caricis 3 ♂♂, 5 ♀♀.

Ephedrus [illegible] 14 & [illegible] : [illegible] mounted.

Proctos 15: 2 mounted

Chalcids 9.

Beetle: 1 [illegible] Longitarsus [illegible] ([illegible])

Earwig: Labia minor 1 ♀ [illegible]

Forficula auricularia, 1 adult ♀ & 1 nymph

[illegible] at different places.

26.4.44, cont. St. Annin, DV, cont.

Taken at 3 (in swamp!): insects very scarce, [illegible] ?
[1 mounted from 3 other labelled [illegible]!]

Cryptinae [illegible] [illegible] not mounted

[illegible] 1♂

Sawfly. Empria sp. [illegible] 1♀, on Spiraea ulmaria.

Euphorus ♂, with pale antennae, 23 segments

Alloea contracta ♂. not mtd.

Aspilota 5 (1♀) = A. [illegible] 2♂♂ (not 21), 1♀ (not 26)

A. [illegible] ♂ not 23.

A. (Synaldis) [illegible] ♂, not 21.

Dacnusa areolaris group. 3♂♀, 1♀: not mounted

Monoctonus caricis 1♂, 5♀♀ not mounted.

Aphidius sp. 2♂♀: not mtd.

NB. Not an insect [illegible] off the [illegible] [illegible] of Salix [illegible] !!

26.4.44, cont. St. Annin, DV., cont.

Taken at 4. [Taken [illegible] [illegible] [illegible] labelled [illegible] 1944!]

Cryptinae 2♂♂: not idd.

Rhyssalus clavator ♂. not idd.

[illegible] ♂♀ still abundant at [illegible] trees in field E of beds: no ♀♀ seen: [illegible]

Aspilota 4 ♂♂ = A. [illegible] 2♂♂ (not 21, both), 2 [illegible] (not 26)

A. [illegible] ♂ not 32.

Dacnusa areolaris group 2.

D. [illegible] ♀ ♂, not 25.

D. [illegible] ♂, not 34 (? = [illegible] [illegible]).

Monoctonus caricis 2♀♀: not idd.

Aphidius sp. ♂: not idd.

Procto 1 =

Chalcids 2. not idd.

26th – 29th April 1944. All day & [illegible] sunny, with keen breeze, but forenoon of 29th dull. Many plants came into flower at this period, both in garden & other places, e.g. Hawthorn (old trees in Rathmines & Leinster Road), Horse Chestnut, Clematis montana (at back gate), [illegible] [illegible] (by [illegible]), V. [illegible] (in garden), Raspberry, Black Currant (in garden), [illegible] [illegible] (over [illegible] [illegible] [illegible] in front garden.)

28th: saw first Bumble (Red) in back garden at 5 PM & a [illegible] [illegible] at 22.

29th. At 7 PM saw a solitary Swift hawking over Westfield Rd, several times in half an hour.

30th April. Took a ♂ Sigalphus of [illegible] (at 25) at [illegible] (?) in garden, 10 Clareville Rd.

30th April 1944. An almost perfect day, [illegible] the [illegible] [illegible], very hot, with strong [illegible] breeze, [illegible] [illegible] [illegible] [illegible] [illegible].

Left home by bike at 10.15 & rode to Louisa Bridge, Rye Water, Leixlip, Co. KD, arriving at 11.45. Stayed there till 6 PM & collected by sweeping in five [illegible] as follows:-

1 = Sedgy marsh, [illegible], on left bank of Rye Water, 100 yards above the aqueduct.

2 = Second field above aqueduct on right bank of Rye Water & [illegible] in [illegible] field.

3 = Mr Mitchell's plantation on Royal Canal, ½ mile W of Louisa Bridge.

4 = W. side of 3rd field west of Louisa Bridge, between canal & Maynooth road.

5 = Wet ditch in SE corner of same field.

Today, birds listed during day by [illegible], included Whitethroat (in many places), Sedge Warbler (Rye Water), Sandpiper (by canal), Cuckoo & Corncrake. Two Wood White Butterflies seen by canal W. of Louisa Bridge. Many small dragonflies probably all [illegible]

30.4.1946, cont. Rye Water, Co. KD.

Taken at 1 = left bank. [[illegible] labelled 17.11.1946]

Dolichopus [illegible] ♂, D. [illegible] 2 [illegible] ♂♂ & ♀♀

[illegible] ♀

[illegible]

Cryptinid 4 ♂, 1 ♀ (none mounted)

[illegible] 1 [illegible] ♀

Campoplegid 3 ♂♂ [illegible] & Sagaritis

Bracon [illegible] 1:2 ♀♀, ant. [illegible]

Earinus [illegible] ♂, ant. 25.

Sigalphus [illegible] ♀, ant. 19. [illegible]

Perilitus [illegible] ♀: not mtd.

Dacnusa [illegible] ♀. D. [illegible] 2 ♂♂. } [illegible]

D. areolaris group 4 (♂♂ & ♀♀).

Monoctonus [illegible] 2 ♂♂, 1 ♀: not mtd.

[illegible] ♂, ant. 11.

Aphidius 3 ♂♂ (mtd.) = [illegible] ♂ ant. 16.

[illegible] 3. 1 [illegible]

Chalcid 2. } none mtd.

Scelio [illegible]

30.4.1946, cont. Rye Water, KD.

Taken at 2 = right bank. [[illegible] from 2 [illegible] labelled 17.11.1946]

[illegible] ♂ [illegible]

=

Cryptinid 11 ♂♂ (none mtd.)

[illegible] ♀ [illegible]

[illegible] ♀ at [illegible]

Stenomacrus ♂, ant. 27.

[illegible] ♂ at oak.

H. [illegible] ♂♂ [illegible]

[illegible] at oak. The latter probably H. elegans var. {with almost black [illegible] & two black stripes on [illegible]! A.W.S. 17.11.1946.}

Campoplegid 2 ♂♂ (1 Sagaritis, at oak [illegible])

Bracon [illegible] 4 ♂♂ 1 ♀. ant. 30-33 (♂♂), 28 (♀).

[illegible] ♂♂ [illegible] Aspilota [illegible] 2 ♂♂

Sigalphus cf. [illegible] ♂♂ at oak, [illegible]

Opius [illegible] ♂ ant. 13. [illegible] O. [illegible] ♂ ant. 21.

[illegible] 3 ♂♂, 1 ♀ = [illegible] ♂ ant. 20.

[illegible] ♂ (ant. 21) + ♀ (ant. 17).

Dacnusa areolaris group: ♂♂ & ♀♀ abundant

D. [illegible] 3 ♂♂, D. melanocera 1 ♂

D. affinis 1 ♂.

Chaenusa conjungens 1 ♂. } none mounted.

30.4.44, cont. Rye Water, KD., cont.
Taken at 2, cont.
Monoctonus cerasi 8 (♂♂ & ♀♀).
Ephedrus validus 1♂. [illegible] mounted
Aphidius spp. ♂♂: about 15; none kept.

Proctos 8 4 mounted.

Chalcids 4

30.4.44, cont. Royal Canal, KD
Taken at 3 = plantation [16 mounted from 3 & then labelled 18.10.1946!]
Cryptinae 1♂, 3 ♀♀: none kept.

Glypta [illegible] ♂, of [illegible]
Lissonota [illegible] ♂ [illegible]
Stenomacrus [illegible] ♀ [illegible] 2 ♂♂, ent. [illegible]
[illegible] mounted, 1♂, ent. 22.
[illegible] rubicunda ? ♀, ent. 28.
Sagaritis [illegible] ♂, ent. 34.

30.4.44, cont. Royal Canal, KD. cont.
Taken at 2, cont.
Rhyssalus clavator 3 ♂♂.
Colastes braconius 2 ♂♂.
Syntretus ? of [illegible] ♂♂ [illegible], at poplar.
1♂ mounted, ent. 25
Apanteles fulvipes group ♂ & ♀.
Alloea contracta ♂.
Pentapleura pumilio ♂ [illegible]
Aspilota ruficornis [illegible] 1♂, ent. 28.
A. [illegible] ♀ (? new species), ent. [illegible] 24, [illegible]
A. [illegible] [illegible] ♂, ent. [illegible]
Dacnusa areolaris group [illegible] (♂♂ & ♀♀) including [illegible]
D. sphaerula? 2♂♂, D. [illegible] ♀ 1♂, [illegible]
Trioxys ? 2♂♂ and Aphidius sp. 2 [illegible]
Proctos 8.
1 mounted
[illegible] of [illegible] of the [illegible] group [illegible] 30/10/46. [illegible]

Chalcids 8

Cynipids 1.

30-4-44, cont. Royal Canal, K.D., cont.

Taken at 4 = field. [11 mounted [illegible] & three labelled on 30-4-44.]

Phryganea [illegible] ♀, at 26.

[illegible] 3 ♂♂ [illegible] mounted.

Stenophylax [illegible] ♂, at 27.

Stenophylax [illegible] ♂, at 11 [illegible]

[illegible] 3 [illegible]

[illegible] 2 ♂♂ [illegible]

[illegible] group 5 (♂♂ & 8 ♀♀) [illegible] mounted [illegible] = [illegible]

[illegible] ♀, at 23.

[illegible] ♀ not mounted.

[illegible] ♀ = [illegible] 10 (at 17); [illegible] (at 16) [illegible] which may be [illegible], but [illegible] I think is a [illegible] [illegible] [illegible] [illegible] [illegible] (at 23 & 24) [illegible] [illegible] [illegible]

[illegible] ? 18 (at 15) [illegible] ♂♂ (at 20)

[illegible] ? 17, at 20

[illegible] group (10 ♂♂ & 9 ♀♀), including [illegible] [illegible]

D. [illegible] group ♂, at 35, [illegible]

30-4-44, cont. R. Canal, K.D., cont.

Taken at 4, cont.

[illegible] ♂.

[illegible] 23.

[illegible] 12

[illegible] 5.

[illegible] 1.

Taken at 5, [illegible]

[illegible] ♂♂, at 26 – [illegible]

[illegible] group, including [illegible] [illegible] none mounted

[illegible] 10 [illegible] [illegible]

3rd May 1944. A very nice day but rather cooler after heavy storm (S.W.) during previous 24 hours, which did much damage to the fresh leaves on all trees & shrubs — a storm practically without rain so far as Dublin is concerned. Wind today NW–W & fresh, & sun, but some clouds & [illegible] : not so nice a day!

In afternoon rode to Lucan Demesne, Co. DU. arriving about 3.30 & staying till about 7 P.M. Collected by sweeping in three places as follows: —

1 = along river & under trees where path from gate meets path along river.

2 = in old sandpit (Helfrays' locality!)

3 = along path by river between sandpit & weir.

Lucan Demesne, DU.

Taken at 1. [determined from 1 & then labelled on 21.10.1946]

Nomada flavoguttata ♂

Rhogogaster aucupariae ♂

[illegible] 2♀, ant 21. same as taken at St Anne's (2) 26.4.44, ♂.

Cryptocampus 7. 2♂♂ only mounted

= [illegible] group, ant. 35.

Hemiteles : ant. 20.

3.5.44, cont. Lucan demesne, DU., cont.

Taken at 1, cont.

[illegible] humeralis ♂

[illegible], very lightly coloured ♂

St[illegible] ventralis ; ♀ : the first seen this year

St. " " ♂♂, ant both 28, with [illegible].

St. [illegible] ♂ [illegible]

Orthocentrus stigmaticus ♂, ant. 27.

Campoplegidae 2♂♂: [illegible]

Rhyssalus [illegible] ♂♂ & ♀♀. very [illegible]

Euphorus pallidistigma ; ant. 18.

E. [illegible] ; ant. 16, long & slender [illegible]

Pygostolus falcatus ♂, ant 29.

Pentapleura pumilio ♀.

Phaenocarpa rufipes ♂ & ♀. } new etc.

Ph. conspurcator ; [illegible] ♀. }

Aspilota [illegible] ♂, very long, [illegible] ant

A. (Synaldis) [illegible] ♀, ant. 16.

Dacnusa areolaris group: [illegible] ♂

D. [illegible] ♂ }

Aphidiidae spp. 11 } new etc

3.5.44, cont. Lucan demesne, DU, cont.
Taken at 1, cont.
Proctos. 9 : 3 std.

Chalcids. 5, not std.

Cynipids 2, not std.

Taken at 2. (18 std. for 2 [illegible], labelled 3.v.1946!)
Bethylus fuscicornis 1♀
Cryptus sp. 11, including 6 ♀♀ of [illegible] black Pezomachus
= Pezomachus [illegible] det. ? [illegible] 24.10.1945

Hemiteles [illegible] 1♂, 1♀.
Campoplegid 1♀
Phaeogenini 1♂
} not named.

Bracon [illegible] 2 ♀♀, [illegible] = [illegible] det. [illegible]
B. [illegible] ? ♂, std 34

3.5.44, cont. Lucan, DU, cont.
Taken at 2, cont.
Aspilota petiolata group 6; ? several species, none std.

Aspilota 5 = A. [illegible] ? ♂, std 23, very long.
A. [illegible] ? 2 [illegible] ♀♀, std. both 16, [illegible]
A. [illegible] : [illegible] ♀, std 15
A. (Synaldis) [illegible] ♂, std 21
Dacnusa areolaris group 11, including thoracica, areolaris, pubescens (?) & Coelinidea.
D. [illegible] ♀, [illegible] in sandpit; std 24; [illegible] from R [illegible], KD. (?) 10.8.41, also [illegible] named by me!
Praon ♂ not named.
Aphidius spp. about 20: of which 1♀ only mounted: the [illegible], std 16 [illegible], [illegible] yellow, [illegible], [illegible] of A. [illegible] ?

Proctos 1 not std
Chalcids 6 : 1 std only =

Cynipids 2.
[illegible] punctata : 1 [illegible] std.

99

3.5.44, cont. Lucan demesne, Co. Dub., cont.
Taken at 3. [illegible] [illegible] 1946!]
Cryptinae 8 ♂♀ [illegible]

Bassus tricinctus 2, at 26.
Stenomacrus [illegible] ♂♀, at [illegible]
[illegible] ♂, at 25, [illegible]
[illegible] ♂ = [illegible] ♂, at 21.

Syrphoctonus [illegible] ♂ at [illegible] [illegible]
[illegible] 2 [illegible] [illegible] [illegible] at 27

[illegible] [illegible] ♂, at [illegible]
Campoplex 5 [illegible] [illegible]
[illegible] ♀, at [illegible]
[illegible] ♂ at 22 [illegible]
G. [illegible] ♀, at 25, [illegible]
Dacnusa areolaris ♀, Coelinius ♂, [illegible] ♂ [illegible]
Aphidius spp. 9: 1 ♂ = [illegible] ♀ at 11
Trioxys [illegible] ♀, at 11
Rhoptromeris? 5. 1 ♂
Chalcid: 3 } [illegible] 31
Cynipid 2 }

Two Cryptus seen in [illegible] pond at 8 P.M. in [illegible] home!

100

7th May 1944. A fine dry day with NW breeze & much sun; some periods the sun was hot & many insects out in garden. [illegible] afternoon as did not go anywhere. Collected in back garden with [illegible] & the following taken [all [illegible]] ([illegible] labelled 26.10.1944!]

Garden, 12 Clareville Rd, Harold's Cross, Dub.
Cladius pectinicornis ♂ on [illegible] currant bush.
Cryptinae 4 = Cryptus moschator? ♀, at 28.
[illegible] ♂, at 31 [illegible] ♀ at [illegible]
[illegible] ♀, in [illegible] at 22. [illegible]
[illegible] v. intermedius. [illegible] ♂
Bassus tricinctus ♂ [illegible] {? differs from [illegible] almost [illegible] pleura.}
Homocidus pictus ♂, at 21. [illegible] [illegible] at 21.4.
H. tarsatorius ♂, at 24.
Mesoleius [illegible] ♂ [illegible] at 31.]
Campoplegini [illegible]
[illegible] =
[illegible] =
Aphidius [illegible]
Bracon [illegible] ♂.
Exallonyx [illegible] ♀.

Taken by F. O'Mahony on shore near Raheny, Co. Dublin. 6th May 1944.
Bracon [illegible] ♀, at 20.
Campoplegini [illegible]
Dacnusa [illegible]

9th May 1944. A dull, dry, [illegible] day, with light glare of sun occasionally glancing through cloud; [illegible] wind strong & [illegible], N., S. [illegible] E., [illegible] in the afternoon — too late to [illegible].

Went by bus to North Bull, arriving about 10.30 A.M. & collecting till 4 P.M.; home 5.30.

Collected by sweeping & shaking vegetation along edge of the [illegible] [illegible] [illegible].

1 = edge of salt marsh & golf links from R.G. Station to Curling's Farm

2 = Sandhills on sea side for a mile or so from side of Lady [illegible] Bank & around that place, including sand flat [illegible] & clump of Salix repens

3 = edge of drain parallel to golf links for half a mile at furthest point of drain from town.

North Bull, Co. DU.

Taken at 1, by sweeping, in sea. [31 mounted from 10 May labelled 25.10.1946]

Bembidion [illegible] & minimum, 4 4 [illegible]

B. varium 17 seen. Other beetles found, not seen

Dolichopus picipes ♂

9.5.44, cont. North Bull, DU, cont.

Taken at 1, cont.

Cryptinae 4 ♂♂ & 2 mounted as

Hemiteles [illegible] ♂, [illegible] 21, [illegible]

Phygadeuon? [illegible] ♂, not 22, [illegible]

Stenomacrus [illegible]? ♂ & ♀ ([illegible]) [illegible] [illegible], [illegible].

Aspilota ♀ ♂, not 21, [illegible]

Dacnusa [illegible] [illegible] 12 [illegible], not 20(♂), 22(♀), 23(♀), 25(♀) & 24(♀).

D. [illegible] 2 ♂♂, not 27 & 29.

D. areolaris? 2 ♂♂, 1 ♀, not [illegible] 23 & 21 respectively

Mesochorus [illegible] 4 ♂♂, 4 ♀♀ (not 16(♂), 18(♀))

Aphidius [illegible]: 1♂ 2♀♀ mounted = [illegible]. ♀ 1 small [illegible], not 15.

A. [illegible] ♂ & ♀, not 19 & 16, [illegible]

A. [illegible] ? ♀, not 14, [illegible]

Proct. 1

Cynipidae 1.

Chalcids 11.

9.5.44, cont. Marsh & Scull, DW, cont. [[illegible] 20.10.1946!]

Taken at 2: [illegible]

Cryptinae 4♂♂: 2 mounted = | 1♂ Common blue Butterfly seen!

Hemiteles [illegible] ♂, cut. 22

D. [illegible] ♂ [illegible], cut 22.

Stenomacrus [illegible] 4♀♀, small, cut. 21 & 22

Campoplegidae 3♂♂, 1♀: 2♂♂, 1♀ mounted =

[illegible] ♀, cut. 20. 2♂♂ cut. [illegible]

=

[illegible] 1♂ = Leptopygus [illegible] cut 15

Bracon [illegible] ♂

B. [illegible] ♀ = [illegible], cut 25.

[illegible] ♂, cut 17.

[illegible] 1♀, cut. 21

Aphidiidae 6♂♂, 1♀ = A. [illegible] 3♂♂, cut 18, 19–20.

[illegible] 1♂, cut 22 [illegible] ♀, cut 15.

[illegible] 20♂♂, cut [illegible]

[illegible] 1♂: not cut

[illegible] ♀, cut 16, ♂ cut 17.

Aphidius [illegible] 12: none cut.

9.5.44, cont. M. & Scull, DW, cont. Taken at 2, cont.

Proctos 9: 2 mounted.

Chalcids 4: none cut.

Taken at 3: on edge of [illegible] drain, under [illegible]

[illegible] ♀, cut 18. [[illegible] 20.10.1946!]

Stenomacrus [illegible] 1♂, 2♀♀, [illegible] small.

Mesoleptus [illegible] ♀

[illegible] 2♀♀, cut. 20, 21 & 21.

D. [illegible] 1♂ cut 22, [illegible]

D. [illegible] 2♂♂, cut. 20 & 21.

Aphidius [illegible] ♀, cut 16/5, [illegible]

A. [illegible] 4♂♂: 2 mounted, [illegible]

= [illegible]!

Proctos 9: 3 mounted.

Chalcids 3: mounted [illegible] =

[illegible] =

10th May 1944. Grey, nice day, with much sun, falling glass, blowing strong at [illegible].
At lunch time in lab. saw the first Scatho-phaga, either a small ♂ stercoraria or a large ♂ [illegible].
Also saw first worker Bombus — jonellus — at flowers of Mediterranean Heath.

14th May 1944. A fine sunny day, with strong cold NE wind, after a dull & very cold day!
Didn't get out till after lunch, but collected a few things in garden in forenoon.
Garden, Clareville Rd., Dublin. [Labelled 3.11.1946.]
[illegible] cineraria & A. [illegible] plenty of [illegible], after [illegible]
Vespa germanica & V. vulgaris ♀♀ seen
[No Bumblebees seen!]
Syrphus albostriatus (yellow face) ♂ & [illegible] ♂
[illegible] ♂, ad. 28.
Hemerobius lutescens a fine ♀, ad. 22.
H. subnebulosus ♂, ad. 21.

Bracon triangularis ♂, ad. 37.

Diptera (? Trypetid) =

14. 5. 1944 contd. Afternoon.
Grand Canal, W of Clondalkin, Co. Dub.
Collected by sweeping at three places: —
1 = weed bed by side of canal just above 3rd lock above Clondalkin.
2 = between canal & parallel drain, few yds further up, just above dairy farm gate.
3 = in hay-field parallel to canal & S. of it at same place as station 2.

Taken at 1.
[illegible] ♂.

Cryptus b. 2 sorted =
[illegible] ♀, white, [illegible]
[illegible] (?) ad. 19
[illegible] 1 ♂, ad. 20, [illegible]
Stenomacrus [illegible] ♀, ad. 14.
[illegible] 1♂ [illegible] & 1♀ of other genus
ad. [illegible]

Opius caesus ♂ ad. [illegible]
Aspilota (Synaldis) parvicornis ♀, [illegible], ad. 15
A. (Synaldis) [illegible] ♀, [illegible], ad. 13
cf. [illegible] in Haliday coll. [illegible] 1944 [illegible]

14.5.46, cont. Clondalkin, Dub., cont.

Taken at 1, cont.

Dacnusa [illegible] 1 ♀, not 26. [illegible]

D. aphanta ♂♂ 3, [illegible] not mounted [illegible] 31.10.1946.

D. areolaris group ♂ 1♀. [illegible]

2 ♀ [illegible] very long [illegible]

[illegible]

Chorebus [illegible] : 2 ♀♀, not taken. [illegible]

Aphidius ♂ ♂ ♀. not [illegible]

Procto. Scelio ([illegible])

[illegible] . 2 ♂♂, 3 ♀♀ of one species, [illegible]

Cynipids 2 . not mounted.

Taken at 2, [illegible] [17 [illegible] 1.11.1946.]

Tenthredella [illegible] ♂

T. [illegible] ♂ ♀.

Tomostethus abdominalis ♀.

[illegible] 4 ♂♂ : 2 [illegible] =

[illegible] not 20 =

[illegible] not 19 =

P. [illegible] ? ♂, not 22

14.5.46, cont. Clondalkin, Dub., cont.

Taken at 2 cont.

Glypta [illegible] ♂ [illegible]

[illegible] ♀ [illegible] not [illegible]

Hemiteles [illegible] ♀, not 22.

[illegible] : 4 ♂♂ : 1 not [illegible] [illegible]

Campoplegidae 3 ♂♂, ♀ : 1 not [illegible] [illegible]

[illegible] ♀, not 27

Bracon { [illegible] } ♂, not 23.

[illegible] ♀, not 20

[illegible] ♀

[illegible] ♀. [illegible]

Rogas [illegible] ♀, not 30.

Dacnusa areolaris group [illegible]

[illegible] (?) [illegible] 1♂, not mtd.

D. aphanta 2 not mtd

D. [illegible] 3♂ ♂, not 29

Aphidius ♂ not mtd

Proctos 3 . not mtd

Chalcid 1 } [illegible] mtd

Cynipid 1.

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14.5.44, cont. [illegible], DW, cont.
Taken at 3. [15 ats from [illegible] & then labelled [illegible]]
Tachinidae ? ♀
[illegible] [illegible] ♀ [illegible]

[illegible] [illegible] ♂♂ common [illegible]
[illegible] [illegible] ♂, [illegible] [illegible] [illegible]
[illegible] ♀ ant 24 =
[illegible] [illegible] 2 ♂♂, [illegible] [illegible] [illegible]

[illegible] [illegible] ♂, [illegible]
[illegible] [illegible] ♂, ant 12
[illegible] [illegible] 1, ant 24 [illegible]
[illegible] ♂, [illegible], small, ant 22
[illegible] [illegible], ♂, ant 19, small, [illegible]
[illegible] [illegible] 2 ♀♀: [illegible]
[illegible] ([illegible]) ♂, ant 22.
[illegible] ♂ [illegible] see opp page ↗
[illegible] [illegible] ♂♂ & ♀ [illegible] ant 16
[illegible] opp 5, 9 ats = [illegible] ♀ ant 16

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14.5.44, cont [illegible], DW, cont
Taken at 3 cont
[illegible] [illegible] [illegible] [illegible]

[illegible] 12. 3 ats =

[illegible] 1. [illegible]
Chalcid 6. 1 at.

Taken at 3 =
Good White Butterfly seen
Bombus agrorum 1 ♀, the only Bombus seen all afternoon!
Andrena [illegible] & other spp., [illegible] [illegible] &
Nomada flavoguttata & other species seen.

15th May 1944. Collected some [illegible] on various plants in Dudley Westropp's garden, [illegible] Terrace. [illegible]
On leaves of [illegible] from [illegible] 337 emerged on 16.5.1944
= Aphidius [illegible] [illegible], ♂ ant 17, ♀ ant 14 (3) & 15 (1) = "[illegible]"

(1)

17th May 1924. Taken in garden, 4a Claremont Road, Harold's Cross, Dublin [G. Coldwell 3/4/16]

Phygadeuon : ♀, ad. 20 =

[illegible] ♂, ad. 22, with [illegible] [illegible], [illegible] triple 2 + 3; [illegible] [illegible], &c.

=

Homoeidea subglaucus 1♂ (ad. 22), 1♀ (ad. 20).

Bracon [illegible] ♂, ad. 23

Cryptus [illegible] 2♂♂, long petiole: the species which occurs every summer about tree of Rhamnus catharticus, &c in back garden =

Beetles: two Coccinellids

=

GLEN OF AHERLOW TRIP.

22nd May 1944 (Monday). Left Dublin by 9.45 train, arrived Limerick Junction 1.25, there met by pony trap from [illegible] and took luggage. The rode via Tipperary on bikes. A fine day with [illegible], clouds in forenoon, [illegible] in afternoon, cool. South of Tipperary town collected by sweeping in two places near Main [illegible] house just before road makes the ascent of the Slievenamuck ridge:—

1 = roadside 2 miles S. of Tipperary
2 = plantation (beech & oak) ¼ mile S. of No. 1 & just S. of Main [illegible] entrance gate (where stopped for afternoon tea!)

Taken at 1 or seen! [6 from 1 & 2 here labelled "S. of Tipp." on 6.11.46.]
Andrena [illegible] ♀♀ very common at dandelion
B. lucorum ♀♀ — a few only.
B. [illegible] 1 ♀ seen. [illegible]
Andrena [illegible] ♀ seen
Tenthredo [illegible] ♂ on hawthorn
Dolerus [illegible] ♂♂ & ♀ swept but not examined closely

22.5.44, aft., cont.
Taken at 1 (roadside 2 miles S. of Tipperary), 6 ST.
[illegible] 5♂♂, 2♀♀, including [illegible]
[illegible]

[illegible] ♂
[illegible] ♀
[illegible] ♂ 2♂♂
[illegible] none [illegible]

[illegible] ♀.
[illegible] ♀
[illegible] ♀ & [illegible] of the species)

[illegible] 1♂, 2♀♀, [illegible] 36, 30 & 31.
D. [illegible] ♂ D. [illegible] (2♂♂, 1♀)
D. [illegible] 1♂, ♀
[illegible] ♂, 2♀♀. none at [illegible].
[illegible] ♂♂, ♀; 1♀ [illegible] = [illegible]

[illegible]. 1 & the [illegible] = [illegible]
Beetle 5: [illegible] E.O.M.

22. 5 hrs. aft. cont. S. of Tafflarney, 5 T, cont.

Taken at 2. ([illegible]) [39 ♀ [illegible] mounted + the [illegible] [illegible] on 4-11-46!]

[illegible] [illegible] ♀♀ [illegible]

[illegible] 2 ♀♀ [illegible] ♂ [illegible] at 19

[illegible] ♀, of [illegible] at 24.

[illegible] [illegible] ♂ [illegible]

[illegible] [illegible] ♀, not [illegible]

[illegible] [illegible] ♂♂ [illegible]

[illegible] ♂ [illegible]

Bracon [illegible] ♀, at 23.

Rhyssalus [illegible] ♂

[illegible] [illegible] ♀♀ [illegible] at [illegible]

[illegible] of [illegible] ♂, at 29. O. of [illegible] ♂♀ at 29.

O. at [illegible] 2♂♂ (probably 1♂, 1♀), at [illegible] 23.

Pentapleura pumilio ♀ not std. / at 32, [illegible]

Alloea [illegible] ♀ not std. / [illegible] N.W.S. 5 Nov. 1946.

Alysia [illegible] ♂ Type!

Orthostigma [illegible] 3♂♂, 2♀♀ (at ♂♂ 19, 22 + 32) ([illegible])
(at ♀♀ 20 + 21)

Aspilota [illegible] ♀ + [illegible] =

A. [illegible] ♀ at 18 A. [illegible] ♂, at 19 [illegible]

A. ♂, [illegible], at 23.

22. 5 hrs. aft. cont. S. of Tafflarney, 5 T, cont.

Taken at 2, cont.

A. [illegible] 3♂♂ (at [illegible] 16), ♀ (at 14).

A. ([illegible]) [illegible] [illegible]

A. (S.) [illegible] ♂, ♀ (at 21 + 17). A. (S.) ♀, at [illegible] 18, [illegible]

Dacnusa [illegible] ♀, at 10.

D. [illegible] [illegible]

[illegible] at [illegible]

D. [illegible] ♂ ♀, [illegible] at 15. D. [illegible] ♀, at 22 [illegible]

D. [illegible] [illegible], at 19.

D. [illegible] ([illegible]), 15 ♂ 1 ♀ mounted at [illegible] 22, ♀ 22, [illegible]

[No [illegible]!] / Proctos - 7 - 6 mounted =

[illegible]!

23rd May 1944. Almost entirely sunny, cool, with gentle NW breeze. Did not go out until after lunch, then left hotel about 2.10, rode across the Glen on bike to [illegible], & then walked up to the E end of Lough Curra, alt. 1850 (fide Hart!) where had afternoon tea. Phil Davin explored the low cliffs overhanging S side of lake, & hunted for Limnaea in the silt about roots of Littorella lacustris, which forms a great green mat at E end of lake, but saw no sign of any mollusca or beetles. Plenty of trout rising all over lake & plenty of [illegible] about vegetation round about it. On way up Davin found a specimen of Ancylus fluviatilis on a stone in the little stream at about 1700 ft., but I saw none in the lake. Then I swept rushes &c. (Juncus effusus, Polytrichum sp., Eriophorum angustifolium, Carex goodenowii & panicea &c.) for half an hour, along flat bottom of what appears to be an old outlet of Lough Curra (at its E end): here many Diptera

23.5.44, cont. Lough Curra, alt. 1850 ft., S.T. a few hymenoptera (as listed below!), several coleoptera & one or two spiders. Later visited small range of cliffs just above & S. of the abandoned outlet of the lake, alt. ca. 1900–2000. The following plants noted by Davin on cliffs S. of the lake (=1) & on the cliffs S. of old outlet (=2) (if neither 1 or 2 after name it occurred at both!)

Primrose in flower, also Lesser Celandine, Sax. stellaris & S. cf. hirta — both [illegible] not yet in flower! — Crepis paludosa, Solidago, Oxyria digyna at 1, Asplenium viride at 2, Jasione montana, Valeriana sp. in one spot at 2, Hypochaeris radicata, Viola Riviniana abundant & in full flower [but no trace of Viola palustris!], Stellaria uliginosa, Chrysosplenium oppositifolium in flower, Vaccinium myrtillus in flower, Lycopodium Selago, Sedum Rhodiola, Angelica, Campanula rotundifolia, Hymenophyllum peltatum, Polypodium, Carex rigida, Cochlearia alpina, Oxalis, Pyrus aucuparia, Hieracium [illegible], [illegible] [illegible], &c.: everything very parched by drought & recent cold spell & therefore [illegible]

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23.5.44, cont. Lough Curra, S.T., cont.
vegetation stunted & [illegible]. On return journey came down stream draining the old (E.) outlet of L. Curra. Here [illegible] in boggy banks & much Chrysosplenium in damp spots. Wild leek in several places & some of Saxifraga hirta seen (just coming into flower!) & Sax. stellaris in one place at least. This Sax. hirta several hundred feet at least below level of L. Curra — probably between 1600 & 1700 ft. thus disproving Hart's statement that only S. stellaris occurs below the cliff-base corresponding to the level of the lake. Here at about same level (1600-1700) Geranium Robertianum comes in, with Cerastium, one tuft of '[illegible]' & other low-land plants. In several places by path up towards present (W.) outlet of L. Curra & on way down saw a species of [illegible] not found, but none seen by lake or on cliffs. On flat boggy ground below moraine & west of E. 'outlet' stream, saw one plant of Drosera rotundifolia & some Narthecium.

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23.5.44, cont. L. Curra, S.T., cont.
On way up path beside present outlet of lake took one [illegible] ([illegible] cat. 59) beside track & one ♂ Dolerus aeneus. The following insects taken by sweeping tufts of Juncus effusus lying in bed of old outlet-channel E. of lake (alt. ca 1550 ft.) :—

Swept in channel E. of L. Curra, alt. c. 1550 ft. Dolerus aeneus ♂ & ♀♀ frequent & seen on stems of Juncus. [26 insects mounted & then labelled on 6.11.1946.]
[Cont. [illegible] taken [illegible] beside outlet stream at ca. 1500 - 1600 ft & near place where also took ♂ [illegible].]
Gen. et sp.? ♀, cat. 20. Perhaps Nematinae
[illegible] ♂, [illegible], cat. 19.
[illegible] ♀♀ = [illegible] ♀, cat. 25
& [illegible] ♀, cat. 26.
[illegible] ♀, cat 15/16
[illegible] ♂ [illegible], [illegible]
= [illegible] of [illegible]? ♂, cat. 27, [illegible]
[illegible]

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22.5.44, cont. [illegible], S.T., cont.

Aphodius [illegible] ♀ of [illegible]
[illegible] ; [illegible]
[illegible] ♂, ent. 18 [illegible] ♂ ent. 22
[illegible] ? very big ♀, ent 24.
[illegible] ent. 18, [illegible]
[illegible] ♂ ent. 18, bad legs.
[illegible] 2. [illegible]
[illegible] 1 [illegible]
[illegible] 2 1 [illegible]
[illegible] to E.O.M.

[illegible] 3 [illegible]
[illegible]
[illegible]

23.5.44. Took ♀ of Hemitelia [illegible] on window
in [illegible] Hotel = [illegible]

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24th May 1944. A fine day, with [illegible] on
[illegible], [illegible], S.W. wind,
[illegible] falling [illegible].
[illegible] till ½ noon, then collecting along road-
side & in field in front of ruin of
[illegible] = 1.
In afternoon collected along roadside at
foot of hill on Tipperary road, got also
Newtown (=2) & in Ballinacourty wood
along old road, got also [illegible]
= 3. Saw many [illegible]
[illegible]
[illegible]
[illegible]

24.5.44 (1)
On roadside & in field in front of ruin of
[illegible] House, [illegible] S.T.
[illegible] [11 [illegible]
[illegible] on 7.11.1946]
[illegible]
[illegible] 23 [illegible]
[illegible]

24 5 44, cont. Chester, S.T., cont.
Take st 1, cont.
Poly[illegible] [illegible] ♀, not 45.
[illegible] ♂ [illegible]
[illegible] ♀ ; not std.
B[illegible] [illegible] ♂ ; not std.
[illegible] ♂ not std.
[illegible] ♂ not std.
Campoplegid ♂ not std.
[illegible] ♂ [illegible] not 39
[illegible] ♀ not std.
[illegible] ♂, not 30.
B. [illegible]? ♀, [illegible], not [illegible] 20, [illegible]
[illegible] ♀ not 28
[illegible] ♀ not 25.
B. of [illegible] ♂, not 39.
[illegible] ♀, not 30
[illegible] ♂, not 30.
[illegible] ♀ ; not std.
[illegible] wesmaeli ♀ not 39
[illegible] [illegible] ♀ [illegible]
[illegible] [illegible] ♀
D[illegible] ♀, D. [illegible] ♀ ♂
E. [illegible] ♂

24 5 44, am cont. Chester, S.T., cont.
Take pt 1, cont.
[illegible] 4
Chalcids 2 , [illegible]
Cynipids 2
Coleoptera 4 [illegible]

---

24 5 44, afternoon, [illegible], just above Newtown, Chester, Co. S.T., at foot of hill on Tipperary road. 2 [illegible] P.M.
[illegible] ♂ [illegible] [10 [illegible] labelled [illegible] on 7.10.44]
[illegible] ♀
[illegible] ♂ [illegible]
[illegible]? ♀
P. [illegible]? 2♀♀

[illegible] 4 ; not std.

[illegible] ♂ not std.
[illegible] ? ♀, not 26
Campoplegid 2 not std.

[illegible] ♀, [illegible] not std.

24 5 44, aft. cont. – [illegible], ST, cont.
Taken at 2 cont.

Bracon [illegible] ♂, not 14 (14 with 2 [illegible] [illegible])
[illegible] 2 ♂♂ not ctd.
[illegible] ♂, not ctd.
[illegible] 21 ♂♂, 1 ♀ (last 2 ♂♂ not counted)
= [illegible] ♂ [illegible], not [illegible] [illegible]
[illegible] not [illegible] [illegible] [illegible]
[illegible] prob. 3
[illegible] 3.
[illegible] 1
[illegible] 2
} [illegible] not ctd.
[illegible]-mounted, small, [illegible] [illegible]

24 5 44, aft. cont. [illegible], ST.
Taken at 3 ([illegible] old Tipperary road, [illegible] up glen to top road & [illegible] [illegible] road & short cut [illegible] [illegible] [illegible] 4 to 5 p.m.)
[illegible] ? ♂ {[illegible] right but [illegible] very dark? RWS 1946} [32 [illegible] mounted from 3 & then labelled [illegible] on 8.11.1946]
[illegible] 2 ♂♂ 1 ♀ not ctd.
[illegible] ♀ not ctd.
[illegible] ♂, not 26.
[illegible] ♂ not ctd.
[illegible] 2 ♂♂. 1 ♂ not ctd. has 24 [illegible] [illegible] & 2 black [illegible] on upper part of face, [illegible] [illegible] [illegible] [illegible]

Taken at 3 continued. [illegible]
24. 5 44, aft. cont. ~~[illegible]~~, ST., cont.
[illegible] ♂♂, not ctd.
St. [illegible] not 28. ♂
St. intermedius ♂, not 30.
[illegible] ♀. not ctd.
[illegible] ♂, not [illegible]
[illegible] ♂, not [illegible]
[illegible] ♀, not 27
[illegible] ♀, not ctd., not 28
[illegible] 2 ♂♂. not ctd.
[illegible] 2 ♂♂. not ctd.
[illegible] ♂, not 27.

Bracon ♀ = B. [illegible] ♀, [illegible], not 30
[illegible] ♀, small, not 21. [illegible] taken at 1, p. 125 [illegible].
also 2 ♂♂ (not 25 & 26), [illegible] [illegible] [illegible]
[illegible] 2 ♂♂ = [illegible] 2 ♂♂, not 25 & 2[illegible]
[illegible] ♀ = [illegible]
[illegible] (♂♂ [illegible]) ♀ only [illegible]
[illegible] ♂, not 24
[illegible] not 22 [illegible]
[illegible] ? ♀, not 17.

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Ballinacourty
24.5.44, aft., cont. ~~[illegible]~~ 1, 5 T., cont.
Taken at 3, cont.
[illegible] 5 = [illegible] ♀, ent. 19
[illegible] ♂, ent. 16, [illegible]. [illegible] male ♀, ent. 17.
[illegible] ♂, ent. 17.
[illegible] ([illegible]) [illegible] ♂♀, ent. 37
[illegible] ♀, [illegible] specimen (none ntd. ent. 37
[illegible] [illegible] ♀, ent. 18/19, the [illegible] specimen apparently [illegible] the first [illegible]
Proctos. 12: none ntd. — There [illegible] taken [illegible] West [illegible] Scotland on 10.7.1939 [illegible] [illegible] the present specimen from Ballinacourty [illegible] only the [illegible] specimen [illegible]

[illegible] 5 }
} none ntd.
[illegible] 2 }
Diptera 3: all ntd.

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25th May 1944. After a [illegible], [illegible] the fine day with strong S.W. wind ([illegible] in evening to [illegible], a gale [illegible] across the [illegible] point), mild, with sun [illegible] all day between 10 A.M. & 5.30 P.M.
The rain [illegible] welcome in country, especially the mountains, very dry after prolonged drought. Set insects in morning, but spent [illegible] [illegible] before lunch in some [illegible] [illegible] to the [illegible] just W. of hotel & here collected a few by [illegible] [illegible], about [illegible] A.M.
After lunch [illegible] across valley & left bikes at the [illegible], [illegible] & walked up to 'The Stone Man' on height above & W. of L. [illegible]; then round plateau, over the [illegible] of Ord. Maps on the summit of [illegible], 2597 ft. Here had tea on slope overlooking Glen of [illegible], &c., & just below summit & in perfect shelter, while the day [illegible] plenty of Swifts sported around us, evidently feeding on the insects [illegible] over the ridge from the South side.

25. 5. 44, cont.

After tea strolled down a couple of hundred feet to the rim of the cliffs on the slope [?those referred to by [illegible]] & spent about half an hour among the plants on the [illegible] & the straight [illegible] floor of valley, [illegible] & habitat for [illegible] & came back to my bike. Had tea about 5 PM & left cliffs at 6 PM, home at 8 PM, on way up across plateau [illegible] on [illegible] at about 2,500 ft. Took [illegible] sweeping [illegible] up [illegible] to & over summit of Corrigutrinna & here took two Carabids, three Coleoptera & [illegible] possibly all brought up by wind from the lowlands.

— For list of plants see p. 131 →

Insects taken between 12.30 & 1.10 P.M. in lane by church, [illegible], Co. ST. [4 mounted & three labelled 9.11.46.]

Rhagiophile [illegible] in ditch & on the [illegible] ([illegible] & 2) taken flying near poplar, S of bridge.

[illegible] ♂ ([illegible]) ent. 20

[illegible] ♀ ent. 20 in damp ditch near [illegible].

25. 5. 44, cont.

Insects taken on way up Corrigutrinna's [illegible] & on summit of latter. Co. ST & LK, [illegible] behind German [illegible] a ♀ [illegible] & a green [illegible] (with V. [illegible] on [illegible]) also one of the [illegible] (with [illegible] & [illegible]). On edge of summit plateau, a little west of the Stone Man, ca. 2500 ft, & in Co. ST, took a [illegible] which [illegible] makes on the [illegible]:—

=

Later tried sweeping, but got no [illegible] till approaching & on summit of Corrigutrinna, Co. LK, then took the following at from 2650 to summit (2697 ft.):— [4 mounted & three labelled 9.11.46. [illegible]]

[illegible] ♂ 22

[illegible] ♂ ent. 22, [illegible]

[illegible] ([illegible]) [illegible] ♀, [illegible]

[illegible] 1 [illegible]

25.5.44, cont. Corrigeenimmia, Co. Kk.
Plants seen on 'cliffs' on the face about 400 ft. below summit. The best place is at extreme W. end of cliffs. There cliffs higher & some spots out of reach of sheep. Here saw one lovely patch of Vaccinium Vitis-idaea (not recorded by Hart) growing with V. Myrtillus & much Salix herbacea, Campanula rotundifolia, with small patches of a very hairy-leaved, densely tufted Saxifraga of the hirta type (but did not see the hypnoides or fine-leaved form on these cliffs at all); also saw a few tufts of Oxyria digyna, a few plants of Sax. stellaris (in wet peat for most part) & Asplenium viride, with possibly a few seedlings of Cystopteris fragilis. On these cliffs Oxalis acetosella quite abundant & in flower & the plant also occurred in chinks of rocks & on ground round same almost on summit above the cliffs, although Hart gives its upper limit in Galtees as 2,000 ft, about 650 ft lower than this station. Galium saxatile, Calluna, Rumex Acetosa, Chrysosplenium, Angelica sylvestris,

25.5.44, cont. Corrigeenimmia, Kk, cont.
Lycopodium Selago, Hymenophyllum peltatum, Viola Riviniana also seen on the cliffs, the most part frequently. On the wet flats above much Eriophorum vaginatum & Carex rigida seen — at least I assume it was rigida, but only one flowering spike seen & this just coming into flower.

Plants seen by boundary stream, associated with Meconopsis cambrica (1300 ft. down to 1200 ft fide Hart): Geranium Robertianum, Primula vulgaris, Ash tree, Rowan, Lathyrus montanus, Vicia sepium, Sax. of hirta & Sax. of hypnoides, Ivy, Lonicera, Salix aurita (? bush), Ranunculus Ficaria, Digitalis, Epilobium (? montanum), Viola Riviniana, Blechnum, Polypodium, Lastrea filix-mas.

Also collected a few mosses on [illegible] boundary stream, which Miss Jessie Thomas subsequently reported included [illegible] for one of which she was looking.
On way up slope to the stream at about 1700 feet I met a Painted Lady.

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25.5.44, cont. Coming out with ST & I.K. cont. butterfly flying [illegible] W over the slope, across a keen wind from SW-W.

Later, when having tea & [illegible] a Bumble-bee fly past at 2650 ft. & heard another & [illegible] many [illegible] flying on plateau at about 2,500 ft.

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26th May 1944. [illegible] & warm, [illegible] with light wind from SW. [illegible] [illegible] Lot [illegible] [illegible] half [illegible] [illegible] [illegible] road to church [illegible] 1.0 till 1 [illegible] p.m.

Cyphertons, to S.T. (1), 26.5.44.

[illegible] ♂ & ♀ [illegible] [21 mounted [illegible] tabled on 11.11.1945.]

[illegible] [illegible]

Erythrina [illegible] [illegible]

[illegible] ♂ & [illegible] ♀ [illegible]

[illegible] = St [illegible]

St. of [illegible] 280, [illegible]

St. of [illegible] 10, larger, [illegible] at. 40 [illegible]

[illegible] yellow face, ♂ (Mesochiton?) =

[illegible] 2 [illegible]

Helicidae [illegible].

Rupe[illegible] 2, at 40

[illegible] ♂ [illegible]

[illegible]

26.5 [illegible], [illegible] [illegible], ST.

[illegible] [illegible] ♀, ent. 26.

[illegible] [illegible] ♂, ent. 37

[illegible] " ♂. ent. 26.

[illegible] 3 = 1 ♂ 2 ♀ =

O. [illegible] ♀, ent. 21 & O. [illegible] ♂, ent. 26.

[illegible] [illegible] ♂ 2 ♀ : ent. [illegible]

[illegible] 6 = A. [illegible] ♂ 2 ♂ (ent. 24), 3 ♀ ♀ (ent. 17, 7 & 19), [illegible] [illegible] [illegible] [illegible]

A. [illegible] ♂ [illegible] ♀ ent. 15.

A. [illegible] ♂, ent 15.

[illegible] [illegible] ♂ ent. 22

[illegible] [illegible] ♂ [illegible], ent. 36

[illegible] [illegible] ♂ ♀ ♀ [illegible]

[illegible] [illegible] 2 ♀ ♀ [illegible]

[illegible] ♂ [illegible]

[illegible] 5 [illegible]

[illegible] 12 [illegible]

[illegible] 2 } [illegible]
[illegible] 8

26.5 [illegible] afternoon; very stormy, but no rain. [illegible] (= 26.5.44 (2)).

Bellinzona, C. ST.

Taken at 9 (= [illegible] [illegible], [illegible] [illegible] [illegible])

Anteon ♀. [39 [illegible] [illegible] [illegible] [illegible] [illegible] on 22.[illegible].]

[illegible] 4 - only [illegible] [illegible] (2) 26.5.44.

= [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] ♀, ent. 27.

[illegible] ♀, ent. 35.

Stenomacrus ♂, ent. [illegible]

Homotropus pulchellus ♀ [illegible]

melanarius ♂, ent. [illegible]

Diplazon [illegible] ♀ ent. [illegible]

Plectiscus ♂, ent. 30 = [illegible]

Apanteles 3 = A. [illegible] 2 ♀ ♀ [illegible] [illegible]

[illegible] [illegible] [illegible]

(Taken at 3, cont.)

26.5.44, afternoon, cont. 3 Ballinacourty, S.T., cont.

Microtoma [illegible] ♂, ent. 17.

Metopius [illegible] ♀, ent. 22.

Opius 3 = O. [illegible] ♂, 32. O. [illegible] ♂, ent. 25.

O. [illegible] sp. n. ♀, type, ent. ; [illegible]

[illegible] 2-4 [illegible] R.W.S. 13.11.1961

Aspilota 9 = A. [illegible] ♀, ent. [illegible]

A. [illegible] ♂ [illegible], [illegible] ent. 16; also [illegible] ent. 17 & 20.

A. [illegible] ent. 17, [illegible] 2.

A. [illegible] ♂ [illegible] [illegible] R.W.S. 16.7.1961

A. (Synaldis) ♀, ent. 16; also [illegible] ent. 22 & 23.

Dacnusa semirugosa 1 ♂, ent. 26. (Recorded [illegible] ent. 32 (♂♂) 20 (♀) [illegible] [illegible] R.W.S. 13.11.1961)

(Gyrocampa)
D. [illegible] sp. 3 ♂♂, 1 ♀. a Gyrocampa

D. [illegible] ♀, ent. 32, [illegible] ent. 25.

D. [illegible] ♂, ent. 35, [illegible]

D. cf. [illegible] ♀, ent. 26, [illegible]

D. cf. [illegible] ♀♀, small

Chorebus [illegible] ♂ [illegible] to follow →

Proctos. 8: [illegible] =

Chalcids 5. [illegible]

Diptera 1 =

26.5.44, aft., cont. Ballinacourty, S.T., cont.

Taken at 3. [Only 9 [illegible] from 2 [illegible] 24 [illegible]]

Cryptinid 1 ♂, ent. 22.

[illegible] ♂, ent. [illegible]

[illegible] ♂, ent. 22.

[illegible] ♂, ent. [illegible]

Campoplegid, ♂, ent. [illegible]

Rhabdosid = ♀, [illegible] abdomen, ent. 2[illegible]

Opius [illegible] ♂, ent. [illegible]

Pentapleura [illegible] ♂, ent. [illegible]

Aspilota 5 = A. [illegible] ♀, ent. 21. A. [illegible]

A. [illegible] ♂, ent. 19. A. [illegible] ♂, ent. 19.

A. [illegible] ♂, ent. 17.

Trioxys angelicae ♀, ent. 11

Dacnusa areolaris – [illegible] group 2 ♂♂, 3 ♀♀

Procts. 2.

Chalcids 2

27th May 1944. A pleasant warm [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] several [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] the P.M. [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] field ([illegible] [illegible]) [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
edge of field [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Fields, [illegible], Ballinasloe, [illegible], Co. [illegible]

= 27.5.44 [illegible] [31 mounted from 1 + then labelled 26.11.1946]
Bombus [illegible] ♀, B. [illegible] ♀ + B. [illegible] ♀♀

[illegible] [illegible] ♂, ent. 23
[illegible] [illegible] 6 (3 [illegible]) = { [illegible] [illegible] [illegible] } [illegible] [illegible] ♂, ent. [illegible] ♂ ent. 21 ent. 17
[illegible] [illegible] ♂ + ♀
[illegible] [illegible] ♂ ent. 23.
[illegible] [illegible] [illegible] ♂ ent. 28.
[illegible] [illegible] ♂, ent. 24.
[illegible] [illegible] ♂ ent. [illegible]
[illegible] 2 { [illegible] [illegible], ent. [illegible] / ♀, [illegible], ent. [illegible] }
[illegible] [illegible] ♀ ♂ ent. 23, ♀ ent. 21, [illegible]
[illegible] = ♀ ♀ [illegible]

[illegible] [illegible] ♂ [illegible]
[illegible] [illegible] ♂ ent. 30 [illegible]
[illegible] [illegible] ♀ [illegible] ent. 28
[illegible] [illegible] ♂ ent. [illegible]

27.5.44, AM [illegible] [illegible], S.T. cont.
[illegible] [illegible] ♂ [illegible]
[illegible]
[illegible] [illegible] ♂ [illegible], ent. [illegible]
[illegible] [illegible] [illegible] [illegible], ent. [illegible]
[illegible] [illegible] ♂, ent. 43 [illegible] [illegible] ♂, ent. [illegible]
[illegible] 2 = [illegible] [illegible] [illegible] [illegible], ent. 19 + 20
♀ ([illegible]) [illegible] ♀, ent. 16, [illegible] [illegible] [illegible] [illegible]
♂ ([illegible]) [illegible] [illegible], ent. 20 + 20, [illegible] [illegible] [illegible] [illegible] [illegible]
♀ ([illegible]) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ent. 16.
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

D. [illegible] ♂, ent. 35.
D. [illegible] [illegible] [illegible]
[illegible] 2, ent. 21.
[illegible] 12 [illegible] [illegible] [illegible] ♂
[illegible] [illegible] [illegible], [illegible] [illegible] ♂

[illegible] ♂: [illegible]

[illegible] 2 = [illegible] [illegible] + [illegible] [illegible] ♀♀

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28th May 1922. Very warm & mild, wind [illegible], [illegible] [illegible] [illegible]. (Sunday).

[illegible] [illegible] in morning, but at 12.15 went to pond in Ballinascorney Wood, near ruin of Castlekelly Ho., just NE of [illegible] & [illegible] in the sun, till 1.45.

1 = (upper) pond, S & E ends & Ho. end of lower pond

2 = E end of (bottom) pond only

Taken at 1. [3 not from 1 & those labelled [illegible] on 30.v.22]

Crabro (Rhopalum) tibialis ♂

Dolerus ferrugatus ♂.

Empis 16, including many ♂♂ & ♀♀ & large [illegible] [illegible] at 22, 24, at 26.

[illegible] = ; [illegible]

[illegible] [illegible] [illegible] ♂, [illegible]

[illegible] [illegible] ♀, at 22.

[illegible] [illegible] ♂, at 26.

[illegible] [illegible] ♂, at 39.

[illegible] [illegible] ♂ [illegible]

[illegible] [illegible] ♂ at [illegible]

F. [illegible], small = at 20.

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28.5.22. AM. cont. Pond, Ballinascorney, ST, cont.

Taken at 2, cont.

Bracon [illegible] ♀, at 22, [illegible]

B. [illegible] ♀, at 30.

B. [illegible] 4♂♂, 3♀♀, at [illegible]

[illegible] [illegible] 22.

Aspilota ♀, 3♂♂, at 21.

Euphorus [illegible] 2, at [illegible] [illegible]

[illegible] [illegible] ♂, at [illegible]

Opius [illegible] 4♂♂, 1♀, [illegible] at 22.

O. [illegible] [illegible] at 25.

O. [illegible] [illegible] [illegible] at 22-23

[illegible] [illegible]

Aphelinus flavicornis? ♂, at 20.

Aspilota 3♂♂ = [illegible] at 20.

[illegible] [illegible] 2 ♂♂, at 21 & 22

[illegible] [illegible], small ♂.

[illegible] [illegible] [illegible] 12

= [illegible] [illegible] [illegible]

D. [illegible] ♂, at 28. D. [illegible] [illegible] at 22

PTO →

D. [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] 29 [illegible]

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28.5.1944, [illegible] cont.: Pond, Ballin[illegible], cont.

Taken at 1 cont

Dicranomyia [illegible] [illegible] cont. Δ [illegible] [illegible] [illegible] ab. 22.

Δ [illegible] [illegible], ant. 22

Δ [illegible] [illegible] ♀, ant. 22. Δ. [illegible] [illegible] [illegible] [illegible] ant. 22, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] range.

Psocon [illegible] 1 ♂, ant. [illegible]

Psectra 11 (Platyptera abundant!) [illegible] ant. [illegible].

Chalcids ♀: 2 (? [illegible]) [illegible]

Tryphonidae 1 [illegible].

Many [illegible] except at [illegible] off vegetation in water (Carex, Typha, Eleocharis, [illegible]) [illegible] [illegible] [illegible] = Δ [illegible]!

Hemiptera: Sigara [illegible]

Hydrometra stagnorum

1944

26.5.1944. cont. Pond, Ballin[illegible], 5 T., cont.

[illegible] [illegible] [illegible] [illegible] 9.7.1944.

Taken at 2, [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]]

Psocon [illegible] ♂, ant. 27 [illegible] [illegible] [illegible] 9 [illegible] 9.7.44.

Δ [illegible] [illegible] ♀, ant. [illegible], [illegible] [illegible] [illegible] [illegible] ant. 22

Aphelopus ♀. 2 ♂♂, same as at 1. not [illegible].

Opius [illegible] 2 ♂♂ [illegible] not [illegible].

Aspilota 2 = [illegible] [illegible] [illegible] ♀, ant. 17; [illegible] ♂ ant. 22, [illegible]

Dacnusa [illegible] [illegible] [illegible] 2 ♀♀ not [illegible].

Δ [illegible] [illegible] ♂ ant. 21 ([illegible] [illegible] [illegible])

[illegible] [illegible] [illegible] ant. 21 [illegible] [illegible] [illegible] [illegible]

Δ. trichopyga [illegible] 9 ♂♂, ant. 31-32, some with [illegible] [illegible]

Δ gracilis [illegible] 2 ♀♀, ant. [illegible]

Δ (Gymnocera) [illegible] [illegible] ♀♀. 1 ♂ (ant. 27) 1 ♀, [illegible] ant. 27, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Δ. (G.) glabrescens [illegible] 2 ♀♀ ([illegible]) [illegible] ant. 21, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 9.7.44 [illegible]

[illegible] [illegible] [illegible] 2 ♂♂, 2 ♀♀ {2 ♂♂, 2 ♀♀ [illegible] 9.7.44. [illegible] 1 ♂ (ant. 21) [illegible] [illegible]

[illegible] [illegible] ♂ not [illegible].

Hemiteles 1 ♂ [illegible] [illegible] [illegible]

Centeter ♂ = Aphelopus [illegible] [illegible] [illegible]

Chalcid ([illegible]) 1 ([illegible])

28 5 44, afternoon, which is very warm & with a touch of wind — almost sultry.

At 4.30 set off [illegible] across the Big Field [illegible] & up through the woods to top of Slievenamuck ridge, a steep [illegible].

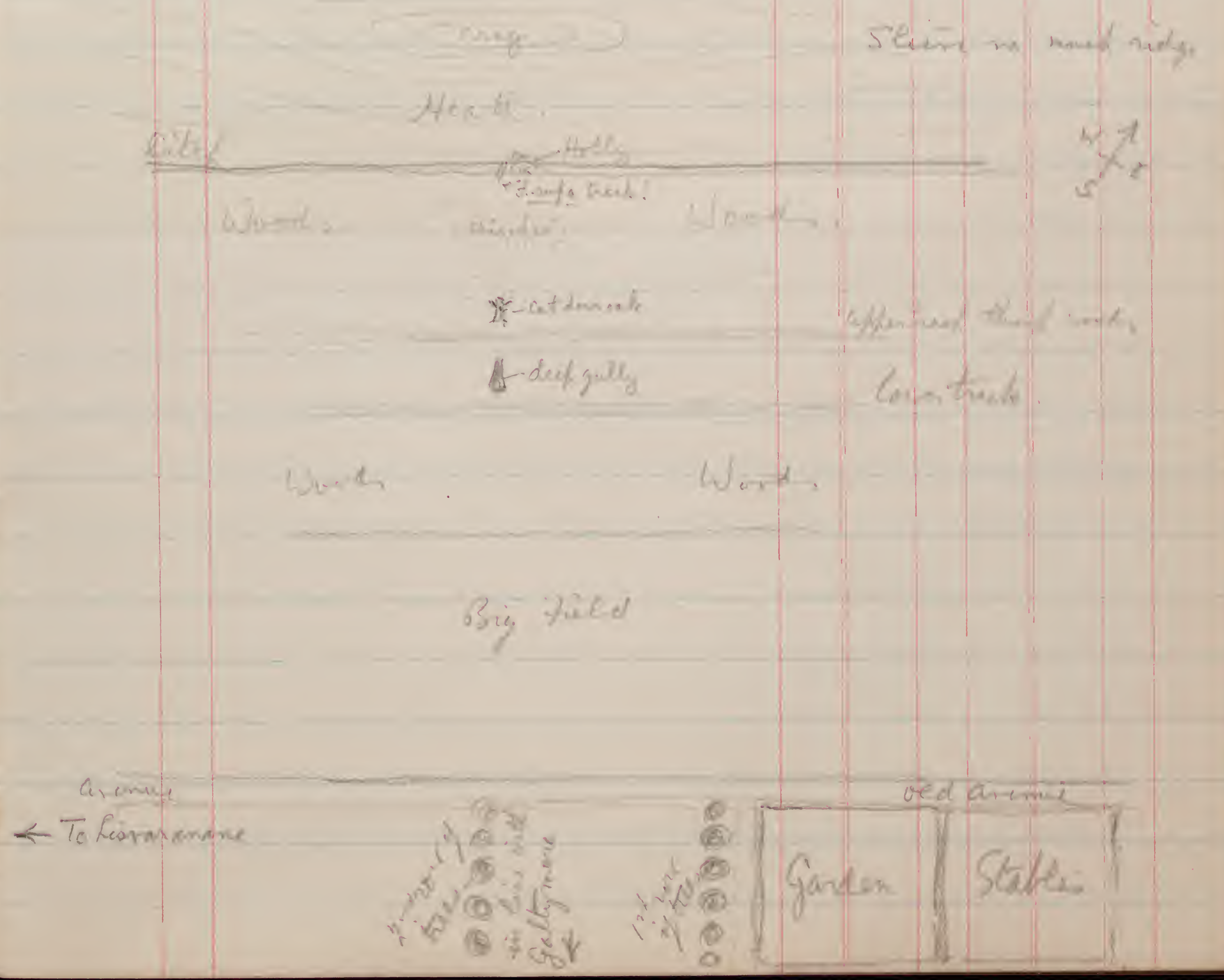
Watched a few minutes on my way up & on my way down, in crossing the big boundary [illegible] top of wood, [illegible] a [illegible] of Wood ant (Formica rufa) [illegible] all afternoon. [illegible] took a few very large specimens [illegible] (all 2? [illegible])

The colony would be difficult to re-locate as the woods have been so much [illegible] by the [illegible], but it is roughly in line with the second row of trees, west of the old garden [illegible] stables & Ballinacourty House. If one stands at the line of trees with one's back to Galtymore & looks up at the rocky crag on top of Slievenamuck ridge (not the summit!) the line would roughly pass the colony, which is beside a large Holly tree on the boundary fence

(The only Holly at the place) (A.W.S. 6.6.44)

28 5 44, aft. cont. Ballinacourty Wood, 57, cont.

Also in line from row of trees to crags on ridge are a deep gully in the wood (made by a stream in flood time) & above upper track [illegible] in an oak from which 5 main branches have been cut, leaving it standing 8 or 10 feet high. It is [illegible] & just below colony is an extensive [illegible] of almost pure [illegible].


Crag
Slievenamuck ridge
Heath
Gate
Holly
F. rufa nest!
Wood
Wood
cut down oak
upper road thro' woods
deep gully
Lower track
Wood
Wood
Big Field
Avenue
← To Lisvarranane
2nd row of trees
line from Galtymore
1st row of trees
Old Avenue
Garden
Stables
N
E
S
W

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28. 5. 44. aft. Ballinacourty. 5T. cont.

Insects taken in woods on way up to & down from Slievenamuck ridge, N. of ruin of Ballinacourty Ho. 4.30 – 7.30 P.M. [[illegible] 2 [illegible]

Ants [illegible]

Formica rufa ♀♀, some very large, some very small, taken on ant-path [illegible] boundary ditch at top of wood roughly in line between 2nd row of trees W. of old garden & the craggy part of Slievenamuck ridge. (See previous page & sketch map.)

F. fusca not seen.

Myrmica spp. common in wood, but not examined on the [illegible]

Bombus lucorum ♀ [illegible]

B. jonellus ☿ seen at Vaccinium at foot of wood.

B. lucorum & agrorum ♀♀ seen on ridge & bumbles frequently heard on the higher ground.

[No other Aculeates seen all afternoon in spite of heat & considerable sun!]

Dolerus ferrugatus ♂ – many [illegible] on Equisetum near [illegible] ♀ in meadow near house [illegible]

[illegible] ♀ [illegible]

[illegible] ♂ [illegible] ♂ [illegible]

[illegible]

[illegible] ♀ [illegible] [illegible] ♀ at 18 =

Whit Monday!

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29th May 1944. Exceptionally hot day, all sunny & [illegible] of wind [illegible] on summit of Galtymore. Left hotel about 11 A.M. & went across valley, then up [illegible] of Glencushabinnia & across moor & up [illegible] of the Galtee [illegible] had lunch in shade of rock at foot of cliffs & near where [illegible]. On way across valley passed over considerable wet area with Drosera rotundifolia at ca. 800-900 ft., with [illegible] [illegible], Mentha [illegible] &c., but saw no sign of Pinguicula lusitanica (recorded by Hart from near the place), P. vulgaris or Viola palustris all of which one would expect to occur on such ground. In crossing a stream coming down big gully on N.W. face of Galtymore stopped to examine a Rowan tree in full flower at ca. 1900 ft. surrounded with a [illegible] of insects, the most exciting of which was about half a dozen ♂♂ of Trichiosoma which [illegible] & then [illegible] to drive the other fellows away (just as described by [illegible] in E.M.M.). By climbing tree which [illegible]

[illegible] AWS 1946

29. 5. 44, contd. L. Diheen & Galtymore, S.T. contd.

the rain I succeeded in netting three of the [illegible], which proved to be [illegible] ; the other insects [illegible] & [illegible], Lepidoptera & Diptera not investigated.

Looking on the great heap & crest of the great moraine surrounding L. Diheen & the towering cliffs that rise from cliffs just W. of moraine, & which form the outlet of the lake, we saw our first Sandpiper of the day — a S. hypoleucos [illegible].

On getting to top of moraine we found the lake about 10 ft lower than the last trip & there was red sandy patches in various places round the shore. On descending to rock above S. shore of lake barometer registered a fall of about 75 ft, so that the figure of nearly 100 ft. then 20–30 ft. (Hart's!) is not so far out. Skirting SW. edge of lake many clumps of Carex paniculata were seen (recorded by Hart only from Lough Muskry!). After lunch went down to red sandy patch to look for Saldids &

29. 5. 44, contd. L. Diheen & Galtymore, S.T., contd.

[illegible] [illegible] failure but one species [illegible] in cliff [illegible] & then five more made for about 1 ft of water (i.e. [illegible] [illegible] different mud). Also took large numbers [illegible] (being sifted on shore by [illegible]) [illegible] mud patches on margin of lake which were full of Gammarus. These mostly included [illegible] & few small (mud) [illegible], [illegible] beetles, one Staphylinid, & many Diptera.

On the W. shore a small Dytiscid was in great abundance — perhaps the same as was seen [illegible] took a few specimens. In lake took several water beetles, including an Agabus & several Hydroporus & one very small Helophorus-like species, also a Corixa & a big [illegible] Salda. Saw patch of Carex paniculata & round about moraine & [illegible] several patches of Cochlearia [illegible] & other vegetation up cliffs to over 2,400 ft. Then worked our way up cliff to very top & once more failed to find Hart's station for Saussurea alpina though found Geum rivale (not reported by Hart), & saw Primrose in flower at 2000 ft & upwards, much Sedum roseum, Alchemilla vulgaris (agg.)

(All these proved to be Pisidium casertanum of a small thick form. H.W.S. 6.1.1925.

Cochlearia alpina, Lycopodium [illegible], Saxifraga umbrosa, Salix herbacea (on the cliff edge), Vaccinium [illegible] (but no sign of V. [illegible]), Saxifraga [illegible] of little [illegible] [illegible] the [illegible] of the highest cliff. Saw no [illegible] [illegible] however.

After ascending the ridge walked over Galtymore 3,018 ft. & spent some time searching round summit, Dawson's Table & on the craggy [illegible] W. of summit (the approx. 3,000 ft.), [illegible] the [illegible] & [illegible] & [illegible] were flying [illegible] & about 100 Swifts skimming the top of the cliffs & summit [illegible] came [illegible] cliffs above L. Curra. Quite a lot of Salix herbacea seen about Dawson's Table (& on the "fragments" on rock [illegible] of same), also small [illegible] with Vaccinium Myrtillus, [illegible],

Galium saxatile & several plants of Lycopodium Selago. On part of Dawson's Table, on ledge under overhanging rock [illegible] discovered a Ring Ouzel sitting on her nest & both watched her for some minutes at distance of about 10 ft. We had previously seen a large [illegible]-tailed bird flying away from near this spot & go down slope & this was no doubt her mate.

On way down from 2,600 ft. ridge crossed cliff on which Arabis petraea grows & saw [illegible] plants looking healthy, but as yet no sign of flowers & then straight down to shore of L. Curra & home at 10 P.M. after a great day's work in broiling heat. Noting that the Mossy Saxifrage on [illegible] cliff above L. Curra seemed very hairy (villous) with larger flowers than those of L. Diheen.

Stepping off the Diheen cliffs I got on to a large area where the sheep don't get & found myself up to my knees in vegetation, Spiraea Ulmaria, Geum rivale &c. & in this patch saw many of the large unbanded white-lipped Helix nemoralis taken at L. Muskry but September & that [illegible] the [illegible] found under similar conditions in the Ben Bulben – Benwiskin (Truskmore) area in Co. Sligo. Also very common [illegible] of Bembidion etc (all & [illegible]), which were under stones on cliffs & also [illegible] for Bembidion [illegible] (at about 2,500 ft) & the [illegible] [illegible] [illegible] of the [illegible] of Galtymore. [illegible] [illegible] [illegible] [illegible] Carabus [illegible] [illegible] [illegible] [illegible] in [illegible] [illegible] [illegible] [illegible] of [illegible] [illegible] (⟶ no reg.) taken above 2,500 ft.

Collected by [illegible] in 3 areas, as follows:–

1 = on [illegible] & [illegible] shore of L. Diheen

2 = up cliffs S. of L. Diheen to 2,500 ft.

3 = Summit plateau of Galtymore round Dawson's Table & ridge [illegible] [illegible] of same, alt. ca. 3000 ft.

27.5. [illegible], cont. L. Diheen, 1800 ft. alt., ST.

Taken on shore & around tarn (mostly taken at water edge. Here huge numbers of insects [illegible] — many having been washed up by [illegible] [illegible] [illegible] Lake.) = 1. [illegible]

[illegible] [illegible] pregnant.

[illegible] [illegible] (a [illegible] [illegible]) ♀ in tarn, ant 33

[illegible] [illegible] ♀ [illegible] ant. 34.

[illegible] ♂ ant. 21

[illegible] pallipes ♀ [illegible] [illegible], ant. 22.

[illegible] [illegible] [illegible] [illegible] [illegible], ant. [illegible]

[illegible] [illegible] ♀ [illegible] [illegible] [illegible], ant. 21.

[illegible] ♀ [illegible], ant. 34.

[illegible] [illegible] ♂, ant. 53.

[illegible] [illegible] 2 small ♀♀. 1 mounted [illegible] [illegible] [illegible].

Pentaplemia [illegible] ♀ [illegible].

[illegible] [illegible] ♀ in tarn

[illegible] [illegible] [illegible] ♂♂ ♀♀ 18 : [illegible] ♀ mounted [illegible]

D. affinis 2 small ♂♀.
1 ♀ mounted

D. [illegible]: ♂ (ant 20) ♀ (ant 21) [illegible] [illegible] [illegible], [illegible] [illegible], long [illegible] [illegible], very [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible].

D. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], but very short, almost [illegible], [illegible] [illegible] [illegible]. ? D. [illegible] [illegible].

29. 5. 48, cont. L. Dibor, S.T., cont.
Taken at 1, cont.

[illegible] 9 (mostly [illegible] in edge of water)
Only 1 mounted = [illegible] ♀

[illegible] 2 : 1♂ mounted =

Coleoptera: none except 30 [illegible], mostly in [illegible] running on edge at S. side of lake [illegible] there exposed & [illegible] taken.
Beetle included c.f. [illegible], [illegible] & a [illegible] beetle not reported to [illegible] [illegible] & Hubbard's [illegible] list, but entered in [illegible] list [illegible] [illegible] on [illegible] [illegible]
See J. N.Y. [illegible] 1947, p.

Hemiptera: [illegible] off on edge of lake [illegible] + 1 [illegible] of Heterocorydalus [illegible] & Hesperocorixa [illegible]

[25 months from [illegible] [illegible] 16 [illegible]]

29. 5. 48, cont. L. Dibor (cliff behind lake), L. S.T.
Taken at 2, from 7,000 ft. to [illegible] (8000 ft.) & 8,000 ft.
[illegible] 10♂ & 8♀ [illegible], [illegible] [illegible] of [illegible] [illegible].

[illegible] 3♂♂, 3♀♀ [illegible]
[illegible] ♂ [illegible] [illegible], not yet [illegible].
[illegible] [illegible]

O. [illegible] of [illegible] 3♂♂, not [illegible]
O. [illegible] ♀, not 20
[illegible] ♂, not 29.

[illegible] ♀, not 30, [illegible] [illegible], but [illegible] 3 [illegible] [illegible] mounted.
[illegible] [illegible] [illegible]
[illegible] 4 = [illegible] 3♀♀, not [illegible], [illegible] [illegible]

[illegible] ♂, not 31
[illegible] ([illegible]) [illegible] ♂, not 32
[illegible] [illegible] ♀ : [illegible] ♀ [illegible] ♂ [illegible] — 24 ♂♂ not [illegible] long [illegible]! (One ♂ [illegible] [illegible] not 25. 4 specimens [illegible] [illegible] p. 154.)
D. [illegible] [illegible] [illegible] [illegible] [illegible] & short
3 dozen taken (♂♂ = 28). [illegible] mounted as follows: —
= D. [illegible] : 2 ♂♂, [illegible], 1♀ not 21.
D. affinis 1♀, not 24, fine specimen.
D. [illegible] 9 [illegible] [illegible] [illegible] [illegible] [illegible] under [illegible], but [illegible] [illegible] [illegible].

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29.5.44, cont. Cliffs behind [illegible], S.T., cont.
Taken at 2, cont.

Aphelinid of 2 ♀♀ = [illegible]
[illegible]

Monotoma [illegible] 1 [illegible] ♀ [illegible]

Proctos. 1 [illegible] & [illegible] 'Platygaster'
? The same as = [illegible] ♀

Cynipid. 1 [illegible] (mounted).
Chalcids. 2 [illegible]

Beetles, probably all on flowers of Cochlearia [illegible]
[N.B. [illegible] butterflies [illegible] Cochlearia.
One also seen here in Sept. 1943]

Many Diptera, including the [illegible] species, are abundant on all the [illegible].

Caddis-fly taken at about 2,500 ft. =

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29.5.44, cont. Summit of [illegible], S.T.
All taken at ca. 3000 ft., either round [illegible] or along ridge to spur [illegible] of summit, or on or around this spur; time between 2 & 5 P.M.; very warm, with scarcely a breath of wind [illegible] flying in swarms, especially about [illegible] of the rocks, but evidently also for some fifty feet or more [illegible] to judge by the large number of Diptera flying about.

[illegible], 3000 ft., = (3) 29.5.44.
[illegible]

[illegible] [illegible] ♀, [illegible] summit.

[illegible] 5 = [illegible] [illegible]
[illegible] ♀ [illegible]

[illegible] of [illegible] [illegible]

[illegible] ♀, [illegible]
[illegible]
Braconid of [illegible] [illegible]
= possibly a [illegible]
Apanteles [illegible] ♀

29·5 [illegible], cont. [illegible], [illegible], S.T., cont.

Opius [illegible] 1♀, ent. 22
Pentapleura [illegible] ♀, ent. 17
Aspilota (Synaldis) [illegible] 1♂, ent. 19
Dacnusa [illegible] group ♀ [illegible], ent 21, [illegible]
D. [illegible]
D. affinis 3♀♀, ent 22, 23–24; [illegible]
[illegible]

Procto. 8 (mostly Platygasters)

[illegible] [illegible], [illegible] a [illegible] half [illegible] [illegible]

[illegible] 1:—
Coleoptera. Apion [illegible] ([illegible]) [illegible] C.S.M.

30th May 1944. Very hot & [illegible] [illegible], [illegible] probably SE, but [illegible] up the [illegible] [illegible] from E. Did not collect all day [illegible] [illegible] Friday [illegible] [illegible] [illegible] [illegible] = T.
Spent most of day setting insects & [illegible] for a short walk in cool of evening.

31st May 1944. Opened same as 30th with [illegible] hot wind & hot sun, but by 11 AM it was obvious that a change was coming & [illegible] formed over [illegible] [illegible] & [illegible] drops of rain & then a heavy [illegible] occurred. In afternoon much heavy thunder, [illegible] all round & some lightning. [illegible] [illegible] with bursts of rain & wind & [illegible] dry spells. After the [illegible] a steady drizzle with wind veering to SW & temperature dropping, followed by a fine cool night. Did not collect all day, but set insects & in late afternoon went for a walk & [illegible] the [illegible] of a water-[illegible] 5 of rain of [illegible] [illegible]

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1st June 1946. A cool cloudy morning with wind veering about 10 AM. & rain falling from SW soon after. Cleared in afternoon & wind veered to W. & then NW, with some intervals rising temperature & falling wind. Barometer recovering from depression during the previous days. Set insects till lunch & after, but went out for a walk about 5 P.M. up through Ballinascorney Wood to moor above (Slieve-na-[illegible] ridge) E. of the House, along moor to glen that comes down past Mr Shepperd's farm & then down south side of this to our lane. Swept a little on way up in [illegible] spots & a few minutes on way down, but mostly among [illegible] places on way up & below upper end through woods. [illegible]

= 1 Taken (1)

The following insects taken during walk.

1.6.46, aft. Ballinascorney Woods, S.T. 5 till 7.10 PM.

Taken at 1. [29 old from 1 & these labelled on 8.12.1946.]

Pamphilius sylvarum ♀ taken off Daisy's stocking just after breaking through woods & out on to the moor above top of wood.

Tenthredo ferruginea ♀ swept along [illegible]

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1.6.46, aft. cont. Ballinascorney Woods, S.T. cont.

Taken at 1, cont.

Cryptus [illegible], 1♀ [illegible] [illegible] (old 20, 41 [illegible])

Acrodactyla degener ♂ ♀, old 27

Stenomacrus [illegible] 1♂, 1♀, old 27 & 28. [illegible] old 26.

St. [illegible] 2♂♀ [illegible] [illegible]

Picrostigeus retusus 1 large ♀ old 33.

Clinocentrus [illegible] 1♂, old 27 [illegible]

Polyblastus [illegible] 1 large ♀ old 25

Plectiscus 2♂♀ = Pantisarthrum [illegible] ♂ old [illegible], ♀ old 20

Plectiscus [illegible] ♂ old 21.

Bracon [illegible] 2♂♀, 1♂♀ [illegible] old 21-22 old 22

Apanteles [illegible] 2 (♂ & ♀)

A. [illegible] 1♀. Zele discolor ♀, old 43.

Opius [illegible] 1♂, old 23

Aspilota [illegible] ♂ [illegible] old 30.

Dacnusa ♂ & ♀ [illegible] {[illegible] old 36 ♂ / [illegible] old 21 ♀} D. [illegible] 2♂♀ not old.

Cecidomyia [illegible] ♂, old 41, [illegible]

Orussus [illegible] 1♀ old 34.

Proctotrupes 3 [illegible]

Cynipid 1 [illegible]

1.6.44. Evening

Ponds & swamp — Behind [illegible] near [illegible] Castlereagh House [illegible] & W edge of field — front of [illegible].

2 = Pond (= station 1 & 2 on 26.5.44) 8.30–9.0 P.M.

Very windy & none of the good [illegible] about.

3 = Swamp behind Castlereagh Ho. (really an extension of the second (eastern) pond at 2) & W side of field in front of same down to road 9.0–9.30 P.M.

Taken at 2 & labelled "B+E" (2) 1.6.44.

[(2) mounted from ? & then labelled on 19.12.1946!]

[illegible] ♀

[illegible] ♀ including [illegible] of [illegible]

[illegible] ent. 22 ♂, 20 ♀. [illegible] ent 13

[illegible]

[illegible] ♂ [illegible] ent. 21 [illegible] ♂ [illegible] ent 16

[illegible] ♀, ent 24 [illegible]

[illegible] ♀ [illegible] ent. 41 & 20.

[illegible] 3♂♂ = B. [illegible] ♂, ent 37; [illegible]

([illegible] probably same species, but [illegible] differences!)

B. [illegible] ♂ ent. 32; but [illegible] = ?

1.6.44. cont. [illegible] ST. cont.

Taken at 2 cont.

[illegible] ent 299.

[illegible] ♂, ent. 24.

[illegible] ♀, [illegible]

[illegible] ♀, ent. 23, [illegible]

[illegible] ? ♂, ent. 26 Yes nigronervosa on sp 17. ? A.W.S. 31.12.1946.

[illegible] ♀, ent. 26

[illegible] ♀, [illegible] ent 15.

[illegible] ?

Chalcid ?

[illegible]

off [illegible]

[illegible] [illegible]) cont. Bellenden Ker [illegible] ([illegible]), 5 T[illegible]

Taken at 3. [31 mounted from 32 [illegible] [illegible] [illegible]!]

[illegible] [illegible] [illegible] ♂ [illegible] [illegible] [illegible] =

[illegible] [illegible] ([illegible]) ? ♂

[illegible] [illegible] ? , dark ♀

[illegible] ♀ [illegible], [illegible] = [illegible] [illegible] ♀ ent. 33

[illegible] [illegible] ? ♂, ent. 28.

[illegible] [illegible] ♂, ent. 37.

[illegible] [illegible] ♂, ent. 24.

Do. ♂, ent. 27

[illegible] [illegible] [illegible] 2 ♂♂, ent. 25 & 26.

[illegible] [illegible] [illegible], ent. 40

Do. [illegible] [illegible], ent 20, pale specimen

[illegible] [illegible] ♂, ent 25

[illegible] [illegible] ♀, ent. 29

[illegible] [illegible] 2 ♂♂, 2 ♀♀; ent. 28 & 31 (♂♂), 28 & 31 (♀♀)

[illegible] [illegible] [illegible] ♂

[illegible] [illegible] ♀, pale type, [illegible] [illegible], [illegible] yellow [illegible] ♂

[illegible] [illegible] (evening) cont. [illegible] 5 T[illegible].

Taken at 3, cont.

[illegible] [illegible] ♂

[illegible] [illegible] [illegible], ent 32, [illegible]

[illegible] [illegible] ♂, ent. 32.

[illegible] [illegible] ♂, ent 42, [illegible] [illegible]

[illegible] [illegible] ♂, ([illegible] [illegible] [illegible])

[illegible] [illegible] ♀ ent. 18.

[illegible] ♂, ent. 30.

[illegible] ♂ & ♀ ([illegible] [illegible] [illegible] [illegible] [illegible])

7th June 1926. A fairly fine day, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in early afternoon, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 2 [illegible]. [illegible] [illegible] before lunch, [illegible] [illegible] [illegible] I walked up to [illegible] (1850 ft), had afternoon tea & then walked right up the cliffs [illegible] of the [illegible] to that [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] had been [illegible]. The following [illegible] noted on these cliffs: [illegible] [illegible] & [illegible] [illegible] for

2.6.44, cont. L. Cuoro, ST, cont.
almost to base, found to the [illegible] cliff, [illegible]
just about in at 2,850 ft. [illegible]; [illegible]
[illegible] (rare to 2,150 ft.); [illegible] [illegible]
[illegible] [illegible] [illegible] common [illegible] from 2,000
to 2,850 ft.), Arabis [illegible] at 2,850 ft., about [illegible]
[illegible] [illegible] of cliff [illegible] [illegible],
[illegible] from a small [illegible] to cliffs [illegible]
[illegible] of flowering; Polygala [illegible] plant only
at about 2,500 ft.), Bryonia dioica (a few plants in one
place only at about 3,000 ft.), Campanula rotundifolia (very
common & to 4,650 ft.); Carex [illegible], [illegible], pilulifera
[illegible] & [illegible] (all frequent), Cardamine pratensis in
flower (up to 2,300 ft.), Sedum rosea (common to 2,650 ft.),
[illegible] to 2,500 ft. at least; Taraxacum (a [illegible] form
at 2,000 to 2,200 ft., but rare), Crepis paludosa &
Pinguicula vulgaris both common to 2,650, Hymenophyllum
peltatum to 2,650 ft., Valeriana to at least 2,300 ft.,
Rhinanthus [illegible] to at least 2,500 ft., Polypodium
vulgare frequent & to at least 2,300 ft., Anthoxanthum
odoratum [illegible] flowering & to at least 2,500 ft., [illegible]
[illegible] to about 2,300 ft., Veronica officinalis to
at least 2,600 ft., V. serpyllifolia near lake, 1,900 ft.,

2.6.44, cont. L. Cuoro, ST, cont.
Viola Riviniana abundant from lake to [illegible]
cliff in full flower & [illegible], [illegible] [illegible] (but
no sign of V. palustris ?), Oxalis acetosella
frequent in lower cliffs to ca. 2,500 ft.,
Geum rivale in 3 places & in flower, probably all
— same line of cliffs but in different [illegible] from
about 2,000 to 2,200 ft., Hieracium "anglicum"
very rare — one or two plants only at about 3,000 ft.,
Selaginella selaginoides to at least 2,500 ft., Primula
vulgaris rare & only a few [illegible] at about
2,200 to 2,300 ft., Alchemilla vulgaris from
about 2,100 to 2,500, [illegible] [illegible], common at [illegible]
level; Ranunculus Ficaria to [illegible] 2,000 ft.,
Ranunculus acris frequent to at least 2,300 ft.,
Ajuga reptans, one fine patch in cliff [illegible] at
about 2,200, with [illegible] all stages of flowering; [illegible]
[illegible] 5 or 6 flowering plants at about 2,300 ft.
& with a tuft of [illegible] of [illegible], Spiraea
Ulmaria, rare, but in several places (with Geum)
to about 2,300 ft., [illegible] one
plant at base of cliffs at about 2,500 ft.
♂ & ♀ Ring Ouzel & one young (just able to fly) were at
close range. The young one [illegible] at [illegible] cliff [illegible] [illegible].

2.6.44, contd.   L. Curra, S.T., contd.

Tried a little sweeping at the base of cliffs at about 1900 to 1950 ft. but had no time for collecting insects: here I swept the following:

Dolerus aeneus ♂ & several small (¼ inch long ?) sawfly larvae (? off rushes – Juncus effusus)

Perilitus [illegible] ♀, ♀. Apanteles sp. ♀ [illegible]

& [illegible] [illegible] [illegible] ♀, net [illegible] [illegible]

(= Perilitus borealis Thom.
AWS 1952

3rd June 1944. A dull day, with occasional drops of rain & an gleams of sun, strong W wind. Went out at 10.30 & swept in three places in Ballinacourty demesne as follows till 1 P.M.

1 = by sides & round marshy pond ¼ mile E of ruin of B'c'ty Ho., in small damp valley.

2 = by pond in old pleasure garden S. of ruin of B'c'ty Ho.

3 = amongst weeds round dump of chaff (where last year corn threshed) in field S.E. of ruin of B'c'ty Ho., & in lee of hedge of this field (further [illegible] too dry [illegible] little [illegible]).

3.6.44.   Ballinacourty, S.T.

Tipula [illegible]. [? numbers from 1 & those labelled as 3.6.1944 ?]

Cryptinae ♀.

~~Sawfly [illegible] ♀~~

[illegible] ♂, net 26.

[illegible] ♀, net 18.

[illegible] ♂ & [illegible] ♂, with net

[illegible] ♂ net [illegible]

Colastes braconius ♀ [illegible] ♀ & ♂, net 22.

Opius [illegible] ♂ & ♀ net [illegible]

[illegible] ♂ net 21.

[illegible], net 22   Tanycarpa [illegible] ♂, net 22 {[illegible]}

[illegible] ♂ & ♀ [illegible] net 21

Pentapleura pumilio ♂, 2 ♀♀ [illegible] net

Orthostigma [illegible] ♂ [illegible] net [illegible]

[illegible] ♀ [illegible] net 21

[illegible] 20 others.

17'

[illegible] cont. [illegible], S.T., cont.

[illegible] cont.

[illegible]

Dacnusa [illegible] ♀. cat. 36.

[illegible] ♂: not [illegible].

[illegible]

[illegible]

[illegible]

[illegible] ♂ & ♀, [illegible] cat. 2[illegible]

[illegible] (none [illegible]).

[illegible] ♂♂ not [illegible]

[illegible] 17: [illegible]

[illegible] 6 } none [illegible] — Beth[illegible] 1

[illegible]

17

3.6.46, cont. [illegible], S.T., cont.

[illegible] pt. 2. (Mostly emerged from [illegible] these hatched 15.12.1946: my 65th birthday!)

Vespa [illegible] ♀♀ at flowers of Rhododendron, 1 taken.

Bombus pratorum & lucorum ♀♀ also at Rhododendron.

[illegible] ♀: none [illegible].

[illegible] cat. 33 [illegible] ♂ ♀ [illegible]

[illegible] 1: not [illegible]

[illegible] not [illegible]

[illegible] 1, O. [illegible] 3 & O. [illegible] [illegible] cat. 20.

[illegible] not [illegible]

[illegible] ♀ & [illegible] ♀: [illegible]

[illegible] 3: none [illegible].

Dacnusa [illegible] 5. [illegible] ♀♀ [illegible]

[illegible] [illegible] [illegible]

[illegible]

[illegible] ♀ cat. 4 [illegible] & 5 (+ 2 ♂♂ [illegible]).

[illegible] ♀ [illegible] cat. 18 [illegible] not [illegible].

[illegible] 3. } [illegible]
[illegible] 5. }

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2.6.1946 [illegible] 5 T., [illegible]

Taken at 2 [[illegible] 11 [illegible] 15.12.1946.]

Tenthredo [illegible] ♂♂

[illegible] ♂

[illegible] ♂ [illegible]

Cryptinae ♂:

[illegible] ♂

[illegible] ♀

[illegible] ♀♀, [illegible]

[illegible]

[illegible] ♀.

[illegible] ♀

[illegible] ♂

[illegible] ♀, small, [illegible]

[illegible] ♀

[illegible] 3.6 ([illegible]) =

[illegible] ♂ [illegible] 18.=

[illegible] ♂, [illegible] 31=

[illegible] ♂, [illegible]

[illegible] ♀ [illegible]

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3.6.1946 [illegible] 3 T., [illegible]

Taken at 3, [illegible]

[illegible] ♀ [illegible]

[illegible] ♂♀♀, [illegible]

[illegible] Sp.n. — AWS. 18.12.1946! Type! [illegible] 21 [illegible] [illegible]!

O. minutulum sp.n. ♀ — Type! 1—AWS. 18.12.1946! [illegible] 22, [illegible]

[illegible] ♂, [illegible]

[illegible] ♂, [illegible] 24.

[illegible] ♂♂ [illegible]

[illegible] [illegible] mounted!

[illegible] ♀. [illegible]

D. [illegible] ♀, [illegible] 29.

D. [illegible] ♀, [illegible] 30

[illegible] ♂, [illegible] 20 [illegible]

[illegible] ♀, [illegible] 15

[illegible]

[illegible] }

[illegible] } [illegible]

[illegible]

4th June 1944. A wild day with long showers at intervals. Did not collect any mosses, but in afternoon walked round to [illegible] & back to [illegible]-[illegible] & collected [illegible] specimens of sedge for Mr Nelson of Herb., although [illegible] not [illegible].

5th June 1944. Still very wild with rain, gloom & NW wind, some slight whiffs of rain, but [illegible] all day! Very wild & cold in exposed parts of hills! Left hotel at 11 A.M. & rode across walking the [illegible] of W. side of Glencushabinnia & cut across below moraine towards L. Curra to corrie in which lies L. Borheen & up track on to ridge above same, then went along top of cliffs & round upper end & so to L. Muskry, where had lunch about 1.30. Spent rest of day (till 6 P.M.) examining L. Muskry & smaller (upper) lake just [illegible] & S. & worked lower & middle range of

5.6.44, cont. – L. Muskry, S.T.

cliffs W. of L. Muskry & home by head of valley below L. Borheen & over to Glencushabinnia & so on by same route back to hotel. Reached hotel at 8.45.

On outward journey crossed some wet flat ground at head of Glencushabinnia, ca 800-900 ft. & saw Drosera rotundifolia, Narthecium, [illegible] repens & in one place for the first time [illegible] Viola palustris in Galtees. In stream-bed coming down from N. face of Galtybeg saw much Epilobium nummulariifolium just coming into flower & forming [illegible], Sax. stellaris. Also in one stream bed saw plenty of Sax. hypnoides. On way across corrie above L. Borheen noted Carex goodenowii & Trifolium repens & other lowland plants growing on the path at ca 1900 to 2000 ft. The following plants occur on W. side of L. Muskry & on lowest & middle range of cliffs above same (i.e. W. side of corrie!) [illegible] from lake level (1614 ft. Ord. Surv. = 1,501 ft fide Hart) to ca. 2,000 on middle range of cliffs

177.

5. 6. 44, cont. L. Mackey, S.T., cont.

Plants seen on W. side of [illegible], above L. Mackey.

Rubus saxatilis beside Epilobium angustifolium as in Sept 1943, Epilobium angustifolium in Dr D.A. Webb's station at N. end of lower cliff; Scolopendrium vulgare: a single plant in face of lowest outcrop of rock between [illegible] & the lake shore; Plantago lanceolata [illegible] at S. end of cliff; Orchis mascula very common, tall & a beautiful dark, rich, purple colour, all over cliff to at least 2,000 ft.; Equisetum arvense one patch (5 fronds!) in wet spot at foot of middle range of cliff, ca 2,000 ft., Veronica Chamaedrys, Geranium Robertianum: several plants & in flower, at ca 1800 ft., Viola Riviniana to at least 2,000' & abundant [but no sign of V. palustris!]; the above plants not reported by Hart from this locality, the following recorded by him: Galium uliginosum & saxatile, [illegible] Calluna, Rumex acetosella, [Stellaria uliginosa ??], Saxifraga stellaris, umbrosa, hypnoides & various forms of so called hirta, Chrysosplenium oppositifolium, Veronica serpyllifolia, Rumex acetosa, Oxyria digyna, Luzula sylvatica, Poa annua, Lycopodium Selago,

178.

5. 6. 44. cont. L. Mackey, S.T., cont.

Potentilla Tormentilla, Cystopteris fragilis, Rhodiola, Asplenium viride in abundance & A. Trichomanes sparingly at S. end of lower cliffs, Lastrea Filix-mas & L. dilatata, Solidago Virgaurea, Carex stellulata, C. panicea, C. glauca, C. pulicaris, C. [illegible], C. pilulifera, C. binervis, Ranunculus acris very fine, R. Ficaria, Cardamine pratensis, Cerastium cf. triviale, Epilobium palustre & E. montanum, Sedum Rhodiola very abundant, Angelica sylvestris, & Chrysosplenium oppositifolium, Crepis paludosa, Juncus [illegible], Scabiosa succisa, Campanula rotundifolia (on cliffs not abundant plants of the cliffs & slopes), Juncus squarrosus & Nardus stricta, Hymenophyllum peltatum, Valeriana officinalis, Cnicus palustris (very plentiful), Euphrasia seedlings & one small plant only in flower!, Digitalis very common, Thalictrum minus common, Hypericum pulchrum, Oxalis Acetosella, Geum rivale, Pyrola secunda!, [Salix aurita & Betula pubescens not reported by Hart!] Hieracium cf. anglicum ?? [the locality form not seen to-day!], [Luzula campestris ??]

6 carices

179

5.6.44. cont. L. Muskry, S.T., cont.

Veronica serpyllifolia, V. officinalis. [illegible] [illegible] in one patch in meadow, facing South at N.W. corner of Lake, alt. about 1650 ft., Prunella vulgaris rare, but up to 1900 ft., [illegible] of my range, [illegible] abundant in meadow by smaller tarn, Lycopodium [illegible] Bellis perennis to 2,000 ft., Ajuga reptans to 2,000 ft. but rare & only in patches; Prunella vulgaris, Lysimachia nemorum, Lathyrus montanus, Taraxacum sp. — with [illegible] form, Spiraea ulmaria & Cardamine pratensis abundant to 2,000 ft. Hypochaeris radicata fairly common to 2,000 ft.

On return journey saw large patch of Comarum palustre among the Eriophorum & in large swampy bog about 200 ft. below & 1/2 mile N.E. of L. Borheen. Also Drosera! On way back across head of Glencushnabinna saw another patch of Viola palustris & a single frond of Equisetum sylvaticum growing out of a clump of Sphagnum at

180

L. Muskry, S.T., cont.

5.6.44. cont.

about 900 ft. alt. [illegible]

Both L. Muskry & smaller tarn much like [illegible] in [illegible] land. Searched for 1 hour Pisidia in both tarns, very rare in N.W. corner of L. Muskry, abundant all along W. shore of smaller tarn. In L. Muskry also got several dead shells of Ancylus fluviatilis & found it living & abundant on wet rocks on cliffs to at least 2,000 ft., where some of the large Helix nemoralis were & [illegible] brightly [illegible]. Under stone in water at N.W. corner of L. Muskry found what appeared to be a large fat, ferocious-looking Tipulid larva living on under side of stone in a mud cell or tube, that proved to be a Tipulid.

In smaller tarn took many Pisidia, Chironomid larvae & some long slender kind of worms =

A leech found under stone in L. Muskry & another scraped from bottom of smaller tarn =

[illegible]

181.

Gammarus of. very abundant in both streams!

6th June 1944. A dull day, with strong, cold N.W. wind & mainly cold morning, gleams of sun, but no rain.

Afternoon walked along Tipperary road & then up Ballinacourty wood & back to hotel through fields between wood & road, there discovered in upper fields a series of springs & swamps with many nice plants including Bog Thistle (C. pratense) Cuckoo-flower, Butterfly Orchid (H. bifolia), Orchis majalis = the "latifolia" of [illegible] a form with unspotted leaves. Except in these

182

6.6.44, cont. Aherlow & Ballinacourty, S.T., cont. were as follows: —

1 = Aherlow, roadside from Newtown to where present road to Tipperary & old road separate.

2 = Ballinacourty wood, just above where the old & new roads to Tipperary part.

3 = Edge of wood above fields & marshy spots in fields below wood & between wood & road.

Aherlow (roadside), S.T. 11.0–11.30 A.M.

Taken all. [15 only std: two labelled & put away 18.12.1946 AWS]

Stenobracon delicatulus ♀.

Aritranis ♂ = Sphinctus [illegible]

Barichneumon ? ♂: not std — on willow

Phaeogenes ♂: not std

Cryptus ♂: not std.

Lissonota ♂ = Cryptopimpla [illegible]: ♂, not std.

Perilissus (middle bred) not std

Promethes pulchellus ♀: not std

Stenomacrus [illegible] ♂ not taken [illegible]

Campoplegidae 4 ♂ 1 ♀ std. cat 23 =

6.6.44, cont. [illegible] S.T. cont.

Taken at 1, cont.

Bracon undulatus m. ♀, small, not [illegible].

[illegible] [illegible] 1, not std.

[illegible] [illegible] ♂, not std.

Bracon [illegible] ♀, small, not 11.

Opius [illegible] 1, not std.

[illegible] [illegible] 2 ♀♀, not std.

[illegible] [illegible]stigma [illegible] ♀, ent. 18.

[illegible] of [illegible] ♀, ent. 20.

[illegible] spp. 7, including [illegible] ♂, { ent. 30/31; 2nd [illegible] [illegible] [illegible] }

A. sp. near vulgaris [illegible] 1♀, ent. 17; 1 small ♂, ent. 21 (of the slender [illegible] vulgaris)

A. sp. near last, larger, 1♀ ent. 19, [illegible] 1 ent., ♂?

NB. Neither of these ♀♀ will fit any of my species! A.W.S. 16.12.1946.

A. (Synaldis) [illegible] 3♂♂ (not mounted)

Dacnusa [illegible] [illegible] [illegible] [illegible]

[illegible] & Campoplex: none std.

D. [illegible] [illegible] ♀, ent. 39, fine specimen!

Bracon sp. 2 small ♂♂ not std.

Microgaster [illegible] ♂, ent. 14, very small.

Ophion spp. 2 (not mounted)

Proctos. 2: 1 std. = Gelis [illegible] ♀; not std., [illegible] [illegible]

Chalcids, 2: none std.

6.6.44, cont. [illegible], S.T.

Taken at 2. In woods & mostly off bird, oak, etc. 16.30–20 17.19.

Cryptinae 2♂♂, not std. [♀ mounted from 2: these labelled [illegible] 20.12.46]

Acrodactyla [illegible] ♂, ent. 22.

[illegible] [illegible] ♀ ♂, ent. 16.

Stenomacrus [illegible] 3♂♂, not std.

St. [illegible] ♂, ent. 35, [illegible]

Orthocentrus [illegible] ♀, ent. 37; fits description well! A.W.S. 20.12.1946.

Tersilochus 2 ♂♂ & ♀, not mounted!

Mesochorus [illegible] 1♂, ent. 31.

Plectiscidae 4, including [illegible] ♂: not std.

P. [illegible] ♂, ent. 20 = Holomeristus [illegible] [illegible] teste J.F. Perkins 3.1.1947.

[illegible] [illegible] ♂, ent. 22.

P. [illegible] ♀, ent. 21.

Bracon obscurator 3 small ♂♂ (1 mounted), ent. 22.

[illegible] [illegible] ♂, ent. 30.

[illegible], [illegible] ♂. A. [illegible] ♀ { [illegible] [illegible] [illegible] }

[illegible] [illegible] ♂, ent. 20.

[illegible] [illegible] 1, ent. 16.

Bracon ♂♂ & ♀ ([illegible]) = B. [illegible] S/g.

♀ Type & ♂ allotype, A.W.S. 21.12.1946.

[illegible] [illegible] 2♂♂: not mounted!

Tanycarpa [illegible] ♀, ent. 33.

185

6.6.44 cont. Bellimcourt wood, S.T. cont.

Taken at 2, cont.:

Anoplius aff. 2♀♀ = A. [illegible] [illegible] ♀, ant. 16.

A. [illegible] ♀, ant. 17/18, [illegible]

Ormyrus [illegible] 3, [illegible], std. [illegible] (♀ [illegible]) : ant. 34

[illegible] [illegible] 1♀ : not std.

Aphidius [illegible] 1♀ : not std.

Proctos 5

Chalcids 8 : 3 std. including [illegible].

Cynipids 4 : not std.

6.6.44, cont. B'c'k'g, S.T. cont.

Taken at 3. ('Bird's field') 1.45 P.M.

[10 only mounted from 3 or three [illegible] 1944.]

Cryptinid 4♂♂ : not std. [illegible] [illegible]

Stenomacrus [illegible] 2♂♂ : not std.

[illegible] ♂ [illegible]

[illegible] [illegible] ♂♂ not std.

Plectiscus 5♂ : not std.

186

6.6.44 cont. B'c'k'g, S.T. cont.

Taken at 3, cont.:

Rogas [illegible] ♂, ant. 29.

[illegible] [illegible] ♂

[illegible] [illegible], ant. 34, [illegible]

Euphorus [illegible]

Perilitus 3 [illegible], ant. 34.

[illegible] [illegible] ant. 16. B. of [illegible] ♂, ant. 14.

Orthostigma [illegible] ♂♂ [illegible]

Aphidius [illegible]? ♀, ant. 17

Chalcids 40 : not std.

Cynipid 1 : not std.

Beetle. [illegible] [illegible] in [illegible].

6.6.44, afternoon.

During lunch heard from Mr. Shepherd that British & American troops had landed at Caen in Normandy.

After lunch went to top of Bellimcourt wood to try to find nest of Formica rufa, which we discovered there on 28.5.44 (p. 147)

6.6.44, aft. cont. Billericay, ST. cont.
Swept birch, oak, *Vaccinium*, &c. on way up to top of rides = "(4) 6.6.44".
Swept [illegible] for coming down again, but only [illegible] & these were separated from [illegible] the sweepings around pond [illegible] E of main [illegible] Billericay Ho. which are labelled "(5) 6.6.44."

Formica rufa very lethargic owing to the cold, but having found what appeared to be the remains of a nest under dense growth of *Vaccinium* & dead branches (due to large trees having been cut (? about a year ago) & their branches lying about in the approved style — the light thus admitted being responsible for the growth of the under-scrub. The nest is situated about 5 yards down hill from the other Holly tree where the ants seen & noted on 28.5.44 & the position of which is described on pp 145-147 ante. NB. This holly seems to be the only holly at present anywhere about this spot. Three large ♀♀ taken.

6.6.44, aft. cont. B'c'l'y, ST. cont.
Taken at 4 (see opp. page); in sweeping of [illegible]. 4 till 6 P.M. [20 minutes from 4 & these labelled on 21.12.1946]
Anthocoris ♂ = [illegible]
Phaenopria? 2 ♂♂, [illegible]
Platygaster: ♂, 2 ♀♀ including [illegible]
Microphanes [illegible] ♀, ant. [illegible], [illegible]
Gen. et sp.? ♀, ant. 15-jntd, no areolet, [illegible] with [illegible] = *Hembergzella* [illegible] Roman. vide J.F. Perkins 3.1.1947.
Stenomacrus ventralis 3 ♂♂, ant. 12
Proclitus [illegible] ♀, ant. 32.
Polyblastus [illegible] ♀ [illegible], ant. 28.
[illegible] ♀ } [illegible] 52.
[illegible] ♂. }
Bracon dorsator / variator }? 2 ♂♂, 1 ♀; ant 23-24 (♂♂), ♀ (35) [illegible]
[illegible] *lateralis* 3 ♂♂ (1 ♂ mounted)
Euphorus [illegible] ? 1 (♂), ant 16.
Blacus [illegible] ♂, ant 21.
B. [illegible] ♂ (ant. 19) & ♀ (ant. 12).

Hemicrepis rufipes ♀, ant 32
Orthotopsis [illegible] ♀, ant 30.

189.

6.6.44. off cut. Bellinicourt, ST, cut.
Taken at 4, cont.

Aphelopus praecipua ♀, cut. 26.
A. of the [illegible] ♂, cut. 25, very [illegible] [illegible]
Ocnerus [illegible] } one of each of. mounted, cut both 36.
Oc. ringens } (1000)

Procts. 1 mounted
Chalcid with shortened wings also mounted

Cynipids 3: not noted.

Taken at 5 (woods/after) & by pond E of ruins of Ho)
[3/5 mounted from 5 & then labelled on 22.12.1946!] 6 till 7 PM
Two [illegible] under [illegible] = "Ferrumina [illegible]" ? ♀
& [illegible] [illegible] ♂
Cryptinae 3: only 1 mounted = [illegible] ♀ [illegible]

Zootrephes [illegible] ♀, black-bodied [illegible] not [illegible]
[illegible] [illegible] ♂ } not mounted
[illegible] ♀ }

170.

Swift, —

Witherby: Handbook of British Birds II 246. : say that the Swift nests occasionally in natural fissures in face of cliffs"

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ffs, but it
L. Curra,
the main
ere *Arion*
were seen
ows, but I
have no proof of this.

Swifts

Witherby: Handbook of British Birds II 246.: says that the Swift "nests occasionally in natural fissures in face of cliffs";

A LARGE RACE OF *CEPÆA NEMORALIS* L (AND OTHER MOLLUSCA) AT HIGH ALTITUDES IN THE GALTEE MOUNTAINS, CO. TIPPERARY SOUTH.

By A. W. Stelfox.

The presence of *nemoralis* at high levels in the mountains of Co. Sligo is usually put down to the fact that these mountains are formed of Carboniferous Limestone. The Galtees, on the other hand, are composed of rocks of Old Red Sandstone and Silurian ages. It was therefore a surprise to me, on visiting the Galtees for the first time, in September, 1943, to find on the Old Red Sandstone cliffs west of Muskry Lough a large race of *nemoralis*, very like that which occurs on some of the Sligo mountains. In May–June, 1944, a few similar shells were also taken on the cliffs above Lough Diheen—also Old Red Sandstone. These Galtee specimens were taken at an altitude of between 1,800 and 2,000 feet, and *nemoralis* no doubt occurs higher than this, as the cliffs rise almost unbroken from the tarns to a height of about 2,500 ft. I was not looking for mollusca on either of my visits to the Galtees, and I regret that time did not permit me to make a thorough search for them. I can therefore assure Dr. Comfort, or anyone with an equal store of energy, that the Galtees offer quite a likely field for research to anyone interested in these large *nemoralis*.

Many old, dead, and broken *nemoralis* were seen at the foot of the cliffs above Muskry L., and most of the few living ones seen showed repairs from injuries received from being blown off the cliffs or knocked down by sheep, which scramble all over them like goats. Those taken above L. Diheen were on a shelf not invaded by sheep, had more peace and shelter, and were larger and undamaged. Specimens from Muskry L. measure about 23 mm. in width by 17 mm. in height; those from L. Diheen 23 to 25 × 20 mm.

In colour most are, like those from Sligo, reddish and unbanded, and many have white lips. One red specimen with band formula 00300 was taken in 1944, and some fragments of banded shells also seen.

Other mollusca undoubtedly occur at about 2,000 ft. above Muskry L., and a hasty search yielded *Columella edentula*, *Goniodiscus rotundatus*, *Retinella nitidula*, and *Ancylastrum fluviatile*.

The last was abundant on the wet surface of the cliffs, where it was living an almost terrestrial life, but these cliffs face east and north, and only get the sun very early in the morning during the height of summer; moreover, I fancy they are very seldom actually dry. Curiously enough I failed to find *Ancylastrum* in Muskry L. itself, though dead shells were found in the delta of a small rivulet coming down from the cliffs, but it occurred in another of the tarns, L. Borheen, and in the outlet of L. Curra, in both cases at about 1,600 feet. The only mollusca seen on the main ridge, which in Galtymore reaches an altitude of 3,018 feet, were *Arion ater*, v. *aterrima*, and *A. subfuscus*. Many of the former slug were seen eviscerated, presumably either by ravens, rooks, or hoodie crows, but I have no proof of this.

SOME *PISIDIA* FROM THE TARNS OF THE GALTEE MOUNTAINS, CO. TIPPERARY SOUTH.

By C. W. Stelfox.

There are four corries on the northern slope of the Galtees in which nestle five moraine-dammed tarns of varying size. These tarns lie at altitudes of from 1,600 to 1,900 feet. Several of the tarns have no proper outlet, and consequently the water level varies considerably according to the rainfall. In September, 1943, all the tarns were so full that I was unable to reach any habitat for *Pisidia*, while in 1944 (May–June) the level of all was much below the mean level and some of the beds of mud were well above water level. Taking the tarns in order from west to east I failed to find any in Lough Curra, though I have no doubt they occur beyond the reach of a scoop. L. Diheen yielded six specimens of a small rather starved form of *P. cinereum* (*casertanum*), with quite thick shells. These came from a stiff, red, cheesy mud, on the southern shore of the tarn, quite 10 feet below the water level of September, 1943. L. Borheen yielded four specimens of a corresponding form of *P. nitidum*, almost thick enough to be regarded as a form of var. *crassa*. From the largest of the tarns, Muskry L., I only succeeded after a long search in obtaining two specimens, one each of *P. nitidum* and *P. subtruncatum*, both with rather thick shells. The fifth—a small shallow tarn, separated from Muskry L. by an inner moraine, and at a slightly higher altitude, was the only one in which *Pisidia* were plentiful (i.e. within my reach). Here I took many specimens in a few minutes of two species, *P. nitidum* and *P. hibernicum*, in about equal numbers, but with rather thinner shells than those from the other tarns.

THE QUEEN'S UNIVERSITY OF BELFAST.

PARLIAMENTARY BYE-ELECTION 1944.

Voters will kindly note the following points:—

(1) Before completing your Voting Paper please carefully read the instructions sent therewith.

(2) The name of the Voter must be inserted after the pronoun "I." The letters signifying the degree held should be inserted after the words "being a."

(3) An "X" must be marked opposite the name Herbert Quin. It is important to do this, otherwise you will not be voting for the Official Unionist Candidate.

(4) Before the words "Voter's Signature" the Voter must sign the form and add thereto the address and date of signature.

(5) The Voting Paper has to be signed in the presence of a witness. A Voter cannot witness his or her own signature.

(6) The witness must fill in the declaration at the foot of the Voting Paper. The first blank should contain the name of the Voter, the second blank should contain the date when the Voting Paper has been signed, and the third blank should contain the witness's signature and his or her ordinary postal address.

(7) Before posting, the Voting Paper should be examined carefully to see that the instructions accompanying it have been complied with, and thus avoid a spoiled vote.

(8) When completed, the Voting Paper should immediately be posted to the Secretary of the Queen's University, Belfast, as any Voting Paper arriving after the 13th December, 1944, will not be included in the count.

SPECIAL NOTICE:

The Voting Papers are sent to all graduates appearing on the Voting Register at the Queen's University of Belfast. If you have not received your Voting Paper, do not lose a moment in writing to the Secretary of the Queen's University, Belfast, stating that your Voting Paper has not arrived, and asking for a fresh Voting Paper to be posted to you immediately. If this is not done at once, you may be too late to have your vote recorded.

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L. [illegible] [Pisidia coll during 1945 trip in Galtee tarn!]

P. casertanum (? [illegible]). 6 spm in a stiff red mud on S. shore, under about 10 ft of water in [illegible] Calm, full, 6 [illegible] form with quite thick shells.

L. Bonlieu. (at W. end by shells) muddy,

P. nitidum

globular form, with [illegible] thick shells, extremely normal except [illegible] in the [illegible] shells of this species the [illegible] [illegible] are [illegible] more marked than the normal lines of growth.

L. [illegible] alt. 1614.

P. nitidum } small, thick, on [illegible] of mud

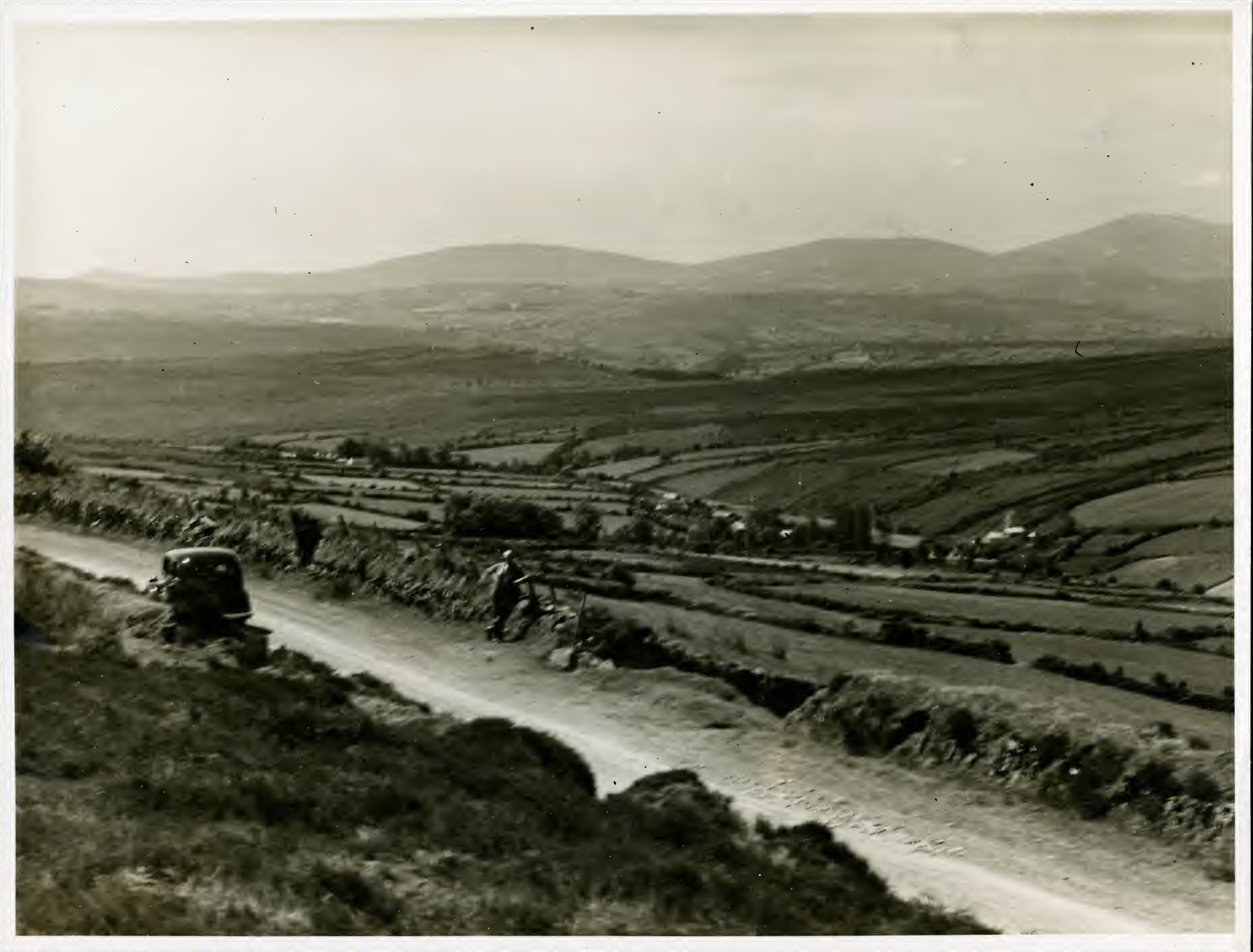
P. subtruncatum } on W. shore in muddy [illegible].

The first resembles the shells from [illegible] & the second an analogous form of subtruncatum with [illegible] like [illegible]

Small [illegible] just above [illegible] S. [illegible] alt. nearly ~~about~~ 1700.

P. nitidum Common along W. shore. Resembling the form in the other lakes but larger & most of the shells [illegible].

P. [illegible]. 8 shells, small, with [illegible] [illegible]. Taken almost at W. end of lake, but [illegible] at same spot as the nitidum.



Galtee Mts. (E. end of range).
Co Tipperary

File No. T. 20/40. **Title** The Vee
Road. Tipperary

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189.

6.6.44, aft. cont. Ballswood, S.T., cont.
Taken at 4, cont.

Aspilota praecipua ♀, nat. 26.
G. [illegible] ♂, nat. 26, [illegible] 3rd segment.
Oenone [illegible] } one of each of mounted, nat. both 26.
Oe. [illegible] }

Bracon 1 mounted
Chalcid with aborted wings: also mounted

Cynipids 3: not mtd.

Taken at 5 (woods (after) & by pond E of main gate)
[35 mounted from 5 & then labelled on 22.12.1946.] 6 till 7 P.M.
Two sawflies under alders = [illegible] ♀
& [illegible] ♂.
Cryptinids 3: [illegible], 1 mounted = [illegible] ♀ [illegible]

[illegible] ♀, black-banded abd., not [illegible]
Phaenocarpa [illegible] ♂ } not mounted
P. [illegible] ♀ }

190.

6.6.44, aft. cont. B'c'k'y, S.T. cont.
Taken at 5, cont.
[illegible] ♂, nat. 25
Stenomacrus [illegible] ♂, nat. 22
St. [illegible] ♂, nat. 22.
Orthocentrus [illegible] 1 ♀, nat. 26, yellow [illegible] ♂.
[illegible] ♀, nat. 18 =
Campoplegids 2, including [illegible] ♂, 'black coxae'
— not the mounted!
[illegible] ♀: nat. [illegible] similar to ♀ taken at Old [illegible]
| W.M. 23.5.1942.
Aspilota infirma Nat. 19 ♀.
[illegible] 1 ♀? nat. 35.
[illegible] ♀.
[illegible] ♂ & ♀; nat. 22(♂), 23(♀).
Opius [illegible] ♂, nat. 23, [illegible]

O. [illegible] ♂, nat. 25.
Pentapleura pumilio ♂. nat. 18.
P. angustula ♀✓ ♀; nat. 18
Tanycarpa [illegible] ♀✓ ♂, nat. 25
Alysia [illegible] ♀✓ ♂, nat. 26
Phaenocarpa picinervis ♂. not mtd.
Orthostigma pumila ♀, nat. 19/20 (= [illegible]).

191

6.6 Alex. eff. cont. Ballin & com[illegible], ST, cont.
Taken up 5, cont.
Asyrphus 7 – [illegible] [illegible] [illegible], [illegible] [illegible]
[illegible] [illegible] ♀, [illegible] [illegible] [illegible] ♀ [illegible]
[illegible] [illegible] [illegible] [illegible], [illegible] [illegible]
[illegible] (S.) [illegible] [illegible] ♀, [illegible] [illegible] [illegible], [illegible]
Type! [illegible]
Dorcinia gilvipes ♀, ent. 27
D. [illegible] ♀, ent. 28.
D. [illegible] ♂ & ♀ [illegible] [illegible] : [illegible] [illegible]
D. [illegible] [illegible] [illegible] [illegible] [illegible] 12.
none [illegible].

Chrysops [illegible] ? [illegible] [illegible], ♂ (ent. 36) ♀ (ent. 21)
[illegible] of [illegible] ? [illegible], ent. 39 & 41
Cephalia [illegible] [illegible] none std.

Rostos. 6 : 1 std.

Chalcids } none std.
Cynipids! }

192

7th June 1933 A fine day, [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] in afternoon & only gentle W breeze. Left hotel at 11.30 & rode across valley, the watershed of [illegible] & [illegible] into next valley to E. & [illegible] [illegible] [illegible]. On journey saw Drosera rotundifolia, Pinguicula [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], Viola palustris, associated with Potamogeton polygonifolius, [illegible] [illegible] [illegible] failed to find [illegible] [illegible] recorded by [illegible] for this area (1700–2000 ft alt.). In evening, [illegible] E. of [illegible] [illegible], [illegible] [illegible] [illegible] second [illegible] water fall & [illegible] [illegible] plants at between 1150 ft & 1450 ft. — [illegible], [illegible] [illegible] ([illegible]), Sanicula, [illegible] hypnoides & S. stellaris, Epilobium anagallidifolium on boulders in stream bed in plenty, Chrysosplenium oppositifolium at upper waterfall only, Lonicera & Ivy, while a bunch of Urtica dioica [illegible] where there is a ford to the [illegible] [illegible] on hillside S.W. of stream.

A ♂ ♀. Bombus [illegible] seen at ca. 800 ft.
[illegible] [illegible] at ca. 12 [illegible]

7 6 '44 cont. Glencoulrafinn & L. Scoolan, S.T.

In evening went to next valley E. of Glencoonafinn noted a little Lycopodium ... ms. (~~between~~ ~~scarf~~ over 1600 ft.) ... Lyc. ... had not spotted the original ...

Hard Ranunculus hence hope ... at about 1450 ft. alt. ½ mile below L. Scoolan & after lunch spent an hour examining a large rocky area (ref. to on p. 179 ante) & searching for insects. Here just at "outlet" of a small drain and on small patch (about a yard square) of Ranunculus Lenormandi in full flower (flowers nearly ¼ inch across) but much injured by trampling of sheep, as are all other plants in this & other places. Other plants seen here include Comarum palustre, Menyanthes trifoliata (very stunted & leaves only, growing between clumps of Juncus effusus & suggesting a former tarn with open water!), Veronica scutellata, Drosera rotundifolia (very sparingly), Myosotis repens, Carex dioica, C. goodenowii & C. stellulata (& at least C. oederi).

7 6 '44 cont. Lough Scoolan, S.T.

At 3 PM examined up E side of valley to some low cliffs at ca. 1600 ft., where Sax. "hirta" & S. stellaris, Hieracium sp., Primrose, Lycopodium (on cliffs), Lycopodium Selago.

Swept N & W. shores of L. Scoolan for insects & also searched for & found a few [illegible] at W end of lake where are two patches of Potamogeton natans, Littorella lacustris & Callitriche sp. (recorded by Hart C. platycarpa Kutz)

nitidum Fr.; a natural very thin form, near v. erianthum!!! A.W.S. 6.1.1945.

Many ... fish seen in shallow edges of tarn & trout jumping all over. Many insects floating on surface including several sp. of Hydrobius ... beetles (2 sp. at least collected), one of the smaller species seen to swim to & pull out on stone about a yard from shore, ... stone, investigate & take bearings & out out & swim to next stone & so to shore, where captured. One similar beetle dead & floating on surface & larger species picked out nearly dead & kicking upside down under surface film of water.

L. G. Stenonema sp. ... picked out of water & put into ... No water beetles seen.

7.6.'46 cont. L. Bochlwyd, S.T., cont.

except a Helophorus (?) at W end under submerged stones. Beneath the [illegible] stone a black Planarian & also a white ditto, attached to stones & a long white "worm" like Gordius, but saw no trace of Gammarus so abundant in the other lakes. At [illegible] place ca 1850 ft many ♀ ants (Myrmica ruginodis) running about & on W. side of L. Bochlwyd a ♀ (queen) of Myrmica ~~[illegible]~~ scabrinodis taken, but no ☿☿ seen under near-by stones or elsewhere, so perhaps a hibernating ♀ left over from last year's marriage-flight.

Next went up slope west of Lake & right up to highest cliffs, & down to where track comes out on ridge at ca. 2,100 ft. & thence across cwm by this track, but working towards cliffs above it en route & so to [illegible]. Reached hotel at 8.45 P.M. Left cliffs at 6 P.M. & had tea at 5 P.M. just below track. Grass around from lake to cliffs (& other places in cwm & on slope N.W. of cwm facing [illegible]) filled with Sax. "hypnoides" & often in flower.

7.6.'46 cont. L. Bochlwyd, S.T., cont.

rivulets & cliffs from lake to highest cliffs with patches of both S. "hypnoides" & S. "hirta" sometimes growing in dry, sometimes in wet places & often within inches of each other, the "hypnoides" tending to grow more in the open & grassy places & the hirta more in the rivulets & on cliffs, but no hard & fast rule obeyed by either. Vegetation of cliffs almost destroyed by sheep (incredible unless seen!) & no other plants of interest seen on way up to cliffs but on the higher cliffs just above the S. end of the track across the cwm & 100 yards N. of where it reaches the ridge & at about 2,000 ft. alt. there is much Salix herbacea, Sax. [illegible], Sax. hirta & a few patches of Vaccinium Vitis-Idaea, as well as the one single plant of Rubus saxatilis reported by me in Sept. '43. The last plant (Rubus) grows just above the track & beneath a great mass of overhanging rocks & well out of reach of the sheep. A few plants of Cochlearia alpina seen & one

7.6.44, cont. L. Borchen, S.T.,
[illegible] seemed [illegible] seen by lake shore.
Other low-land plants seen by the lake or on slopes above it were Bellis perennis, Achillea millefolium (on lake shore at W. end), Digitalis, Galium saxatile, Stellaria alsine, Poa annua, Lycopodium Selago, Montia fontana, Solidago, Ranunculus repens & R. acris, Cardamine pratensis & C. hirsuta, Cerastium (abundant) Crepis paludosa (rare), Jasione montana, Euphrasia sp., Polypodium, Vacc. myrtillus, Carex stellulata, C. goodenowii, C. binervis, Viola Riviniana ([illegible] in flower), Oxalis, Luzula sylvatica, Veronica serpyllifolia, Alchemilla sp., Trifolium repens (abundant), Ajuga reptans (rare), Lysimachia nemorum,

[Lychnis dioica recorded [illegible] R.W.S. 1946 by Hart not seen here by us, but abundant on cliffs at L. Muckros, & not recorded from latter by Hart!]

Raven, Meadow Pipits, Wheatear, Grouse seen about the lake [illegible] & Ring Ouzel [illegible] cliffs S. of lake.

7.6.44, cont. L. Borchen, S.T., cont.
Insects swept in rushy-bog & around same, ½ mile NE (below) L. Borchen, alt. about 1400–1450 ft. 2 till 3 P.M. = station (1) 7.6.44.
[15 minutes from [illegible] labelled 24.12.1946 or earlier!]

Dolerus aeneus ♂♂ frequent on [illegible].

[illegible] not [illegible], several small species, [illegible] none ntd.

[illegible] not ntd.
Stenomacrus [illegible] ? ♀, ant. 25. St. affinis ♂, ant. 22.
S. [illegible] 1♀, ant 24; [illegible]
S. [illegible] ♀, [illegible] St. [illegible] ♂ ant 34
[illegible] ? ♀ — ant. 16 =
[illegible] !
Bracon [illegible] ♂, ant. 33 [illegible] group
Apanteles [illegible] group ♂.
[illegible] ? ♀ (♂?)
Opius [illegible] ♂.
O. [illegible] ♀, [illegible] ant. 36 [illegible] but basal flagellar segments shorter, [illegible] R.W.S. 24.12.1946.
See 2nd ♀ taken at (3) on 9.6.1946 — p. 208 to follow! →

7.6.44, cont. L. Borheen, S.T., cont.
Taken at 1, in [illegible] below Lake, cont.
[illegible] [illegible] ♀.
[illegible] [illegible] 2 small ♀♀. } none std.
[illegible] [illegible] 1♀
[illegible] of [illegible] 7 (2♂♂ 5♀♀) [illegible] on [illegible] or [illegible] [illegible] [illegible]. None std.

[illegible] of [illegible] very small ♂. not std.
[illegible] ([illegible]) [illegible] [illegible] ♂: not std.

[illegible] [illegible] [illegible] 1/2 inch, at [illegible] [illegible] pieces. None std.

D. affinis ♀♂, not std.
D. [illegible] ♀, at. 36, small specimen
Aphidius spp. 3♂♂, 1♀: ♀ = [illegible] ?, at. 17; ♂ [illegible] at. 16.
[illegible] [illegible] ♀, this being [illegible]; [illegible] [illegible] [illegible] [illegible] 1350 [illegible] 1944!
at. 10 (1st 2 segments apparently [illegible])
[illegible] [illegible] [illegible] a beautiful ♀. Recorded E.M.M. Oct. 1944.
[illegible] [illegible] ♀ & ♂ damaged: small ♀ [illegible], at. 15.
[illegible] [illegible] ♀: not std.

7.6.44, cont. L. Borheen, S.T., cont.
Taken at 1, [illegible] [illegible] Lake, cont.

Beetles. [illegible] 2
Others 10
} [illegible] – T.I.
Chalcids 5

Cynipids 1
Beetles about 20, with 2 [illegible] [illegible] 2 [illegible]
small sp. [illegible] [illegible]

Beetles given to E. O'Mahony!

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7.6.44, L. Bonkeen, S.T.

Taken at 2, in. along N & W shore of lake & of edges above the shore to cliffs, at 3, mostly [illegible] along old track at lake level. [18 [illegible] from 2 & 3 [illegible] labelled on 25.12.1946!]

Myopa [illegible] sabrosdi queen (on W. shore of lake & alone)

D[illegible] [illegible] ♀ on [illegible] above lake, 1900 ft.

[illegible] [illegible] ? ♂ " " " " 1850 ft.

[illegible] ♂, [illegible], not [illegible]: not mtd.

[illegible] & [illegible] ♂, [illegible]: not mtd.

[illegible], small [illegible] [illegible], 5 ♀♀: [illegible] in [illegible] the only one mounted in a [illegible] Polyzalon, ent 18.

[illegible] ? ♀ mounted = [illegible] [illegible] [illegible] but antennae very stout & short.

[illegible] [illegible] ♂ (?) not mtd.

Orth[illegible] of [illegible] [illegible] ♂, very elongate, ent 26

St[illegible] [illegible] ♂ 2 ♀♀, 1 ♀ mounted [illegible] [illegible] [illegible] [illegible] [illegible] from [illegible]!

St. of. palustris ?? ♂, old [illegible] [illegible], ent 23.

[illegible] 1 ♀ not mtd.

[illegible] ([illegible]) ♂♂ not mtd

[illegible] [illegible] 1♂, 1♀ not mtd.

202

7.6.44, cont. L. Bonkeen, S.T., cont.

Taken at 3, cont.

[illegible] [illegible] 1♂, 1♀ not mtd.

[illegible] 2 ♀♀ not mtd

[illegible] [illegible] [illegible] 1 ♀ [illegible] [illegible], ent 26.

[illegible] [illegible] = [illegible] tumens 1 small ♂, ent 19 & 2 [illegible] [illegible] ♀ with no antennae, no [illegible], [illegible] [illegible] [illegible] [illegible] not [illegible]!

& [illegible] 2 small ♂♂, ent. both 21

D[illegible] [illegible] [illegible] 7: none mounted.

D. [illegible] ♀ not mtd.

D. [illegible] ♂, small ent 31

[illegible] [illegible] 1♂, 4 ♀♀: not mounted.

[illegible] [illegible] [illegible] ♂, [illegible] [illegible] ent 17.

[illegible] of angelicae ♀ antennae [illegible] [illegible] in label!

[illegible] [illegible] 1♂, 1♀ not mtd.

[illegible] ♀: only 1 mtd. =

[illegible] [illegible] [illegible] [illegible] =

[illegible] } [illegible] mtd.
[illegible] }

[illegible] 1945 [illegible] 1946

8th June 1944. A dull [illegible] day with [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] day. Did not go out till nearly 6 PM. & not much all day. At 6 PM walked up Tipperary road & [illegible] [illegible] ditch on sheltered side, but rain coming on had to give up. Late in spite of [illegible] [illegible] [illegible], [illegible] at E. end of eastern pond in Ballincourt woods as on 28/5/44, [illegible].

[illegible], S.T. Roadside = (1) 8.6.44.

[illegible] ♂♂ } [illegible]
[illegible] ♀ }

[illegible] ♂, ent. 22.
2 pairs of [illegible] (♂?), ent. 24
[illegible] ♀, very small, ent. 18.
[illegible] ♂, ent. 24

[illegible] ♀ } [illegible]
[illegible] ♂ }

On 2 [illegible] [illegible] Ballincourt pond, S.T.
[All [illegible] from 2 months & then labelled 26.12.1946!] = (2) 8.6.44.
Taken at ? Pond. → [illegible] [illegible] 12.6.44
[illegible] ♂, ent. 21
[illegible] ♂, ent. 26, [illegible] [illegible] very small (rejected [illegible] none!)
[illegible] ♂, ent. 31.
[illegible] ♀♀, ent. 48 [illegible].

9th June 1944. A fine, dry day, but mainly dull & with chilly NW wind, strong at times, [illegible] [illegible] [illegible] [illegible]. Did not go out till after [illegible] 3 PM. then went into Ballincourt estate & swept in five areas, as follows, —

1 = edge of [illegible] pond in woods behind [illegible]
2 = swamp W of pond where much [illegible] [illegible]
3 = edge of cornfield & roadside [illegible] [illegible] threshing of corn [illegible], E of Ballincourt Ho.
4 = edge of pond S. of Ballincourt Ho., [illegible] [illegible]
5 = [illegible] (under elder) & around pond ¼ mile E of Ballincourt Ho. & where cattle drink.

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9.6.44, cont. Ponds, Ballinacourty, S.T.
Taken at 1. on previous page. [[illegible]]
[illegible] [illegible] ♂

[illegible] ♂ : not ntd.

[illegible] 15 (all ♂♀) including [illegible]
[illegible] [illegible]
None ntd.

[illegible] [illegible] ♂ and [illegible] with ntd.
[illegible] [illegible] ♀ [illegible], at 34.

[illegible] 10, 2♀♀ not ntd.

[illegible] [illegible] ♀ : not ntd.
[illegible] [illegible] ♂♂ not ntd.
[illegible] [illegible] ♂, at 4[illegible], almost entirely [illegible], [illegible] ntd.

[illegible] [illegible] ♀ not ntd.
[illegible] [illegible] ♂, at very long, [illegible].
[illegible] [illegible] 2♂♂, ♀ : not ntd.
[illegible] [illegible] ♀, at 26.

9.6.44, cont. Ballinacourty, S.T., cont.
Taken at 1½, cont. ([illegible]).
[illegible] ♂ not ntd.
O [illegible] [illegible] ♂ : not ntd.
[illegible] [illegible] 1 ♂ on [illegible] W. of pond
[illegible] similar to last & taken with it, but [illegible]
[illegible], head [illegible] black, [illegible] black, [illegible]
antennae very long [illegible] 2 ♂♂. [[illegible] taken on 11.6.44.]
= [illegible] [illegible] [illegible]. Recorded in E.M.M. Oct 1944.

[illegible] [illegible] ♀, at 15-16.
[illegible] [illegible] 7 ([illegible]) : none ntd.
[illegible] [illegible] ♂, at 23, [illegible] [illegible] 31.12.1946
[illegible] ♂, at 32. [illegible] ♂ (?), at 28. [[illegible] 28.12.1946.]
[illegible] [illegible] 4 ♂♂, 2 ♀♀, [illegible]
antennae 31-32-33-35 [illegible], 29-30 [illegible].
[illegible] [illegible] ♂, at 22.

[illegible] 2 }
[illegible] 3 } none ntd.
[illegible] 1 }
[illegible] 2 specimens [illegible]

Q.6 [illegible], out. Ballinacourty, S.T., out.

Taken at 2. [none mounted from 2!]

Cryptini 2 females

[illegible] ♀

[illegible] [illegible] 2 ♂♂, [illegible]

Chalcids 3.

Taken at 3. (only [illegible])

Cryptinids 2 ♂♂, out. [illegible]. [2 mounted from 3, others [illegible] on 28.12.1946]

[illegible] cf femorator ♂ [illegible] [illegible]

[illegible] [illegible] ♂, out. 26.

St. [illegible] ♀, out. 26

[illegible] ♂ } none mounted

[illegible] 3.

out. 27(♂♂), 27(♀♀)

Bracon [illegible] 2 ♂♂ 2 ♀♀ [illegible] [illegible]

B. [illegible] 1 ♂ ♀, out. 27 [illegible] [illegible]

Chelonus sulcatus 1 ♂, out. 22.

[illegible] cf caudatus ♂, out. 20.

Euphorus cf pallipes 1 (♂?), larva pale 25, emerg. out.

Q.5 [illegible], out. B'[illegible], S.T., out.

Taken at 3, out.

[illegible] cf [illegible] 3 ♂♂ out. [illegible]; pygmaeus 1 ♂, out. 20. & some [illegible] off [illegible]

[illegible] [illegible] 2 ♀♀, out. 26.

Opius [illegible] W. [illegible], out. 23

O. [illegible] ♀, out 22

O. [illegible] ♂ [illegible], out. 19.

O. [illegible] ♀ [illegible], out. 27 — see p. 198 antea.

[illegible] [illegible] 1 ♂, out 42.

Pentapleura pumilio 2 ♀♀: out. [illegible].

[illegible] [illegible] ♂♂, out. 28.

[illegible] [illegible] ♂, out. 24

[illegible] [illegible] ♀, out. 19.

C. [illegible] ♂, out. 18.

Dacnusa areolaris grp. ♀♀, [illegible] [illegible]

D. [illegible]

D. [illegible]

[illegible] sp. 6

none mtd

Procto. 2

Chalcids 2

Cynipids 4

[illegible] [illegible] [illegible] near Gastrodes = [illegible] fortuosa! on [illegible] [illegible].

9.8.1946, cont. Ballinacourt, S.T. cont.

Taken at 4 (pond S. of house). [Only 1 of 4 [illegible] labelled on 29.12.1946.]

[illegible] ♂

[illegible] flavicollis ♂

Dolichopus [illegible] ♂

D. cf. campestris ♀

D. affinis ♀

D. cf. trivialis? ♀, ant. 30.

none mounted

[illegible] 2 ♂♂ ♀ not mtd.

[illegible] (the mounted)

[illegible] not mtd.

Taken at 5 (second pond E. of house) [28 mounted from 5 & the labelled on 1.1.1947.]

Tryphoxylon clavicerum ♀♂ (reported by Doris.) running on stump of old tree on [illegible] side in sitting.

Cryptinid 8: 2 mounted = Atractodes ♀, ant. 23.

+ Leptocryptus ♀, ant. 21.

Stenomacrus verticalis 2 ♀♀ not mtd.

[illegible] ♀ not mtd.

[illegible] ♂ = [illegible] ♂, ant. 24.

9.8.1946, cont. Ballinacourt, S.T. cont.

Taken at 5, cont.

Microplitis [illegible] ♀, not mounted?

Opius [illegible] 20 ♀♀ [illegible]

rejected [illegible]

[illegible] ♂

[illegible] ♀. Adelura flavicornis ♀, ant. 27.

[illegible] ♀ [illegible], ant. 16.

Aspilota aff. [illegible] (Orthostigma [illegible]) ant. 15

G. [illegible] ♀, ant. 20. G. sp. [illegible] ♀ ([illegible] 19); ♂ ant. 23

G. [illegible] ♀, ant. 21; ♂ ant. 20. G. sp. ♀, ant. 15

G. sp. ♀, ant. 21. G. sp. ♀, ant. 21. G. sp. ♂ ant. 21.

G. cf. [illegible] ♂ [illegible] ♀, ant. 15, ♂, ant. 17. G. [illegible] ? ♂ ant. 16.

Dacnusa macrospila ♀, ant. 27.

D. [illegible] [illegible] at least; ant. [illegible] 21

D. [illegible] [illegible] at least. not mtd.

D. [illegible] [illegible] at least. not mtd.

D. [illegible] [illegible] 15. none mtd.

2 mounted

[illegible] not mtd.

[illegible] ♀, ant 12.

[illegible] 11. none mtd.

9

Pass 36

[illegible] 1 not mtd.

10th June 1924. A fine warm [illegible] after
[illegible] & frost the night before; the two
[illegible] of the [illegible] [illegible] which had not
recovered from previous [illegible], it
[illegible] that [illegible] would not be
[illegible], [illegible] [illegible] on [illegible]
day so decided to do a long day —
The [illegible] [illegible] [illegible] [illegible] [illegible]
just after 11 A.M. [illegible] [illegible] [illegible] &
walked up Glencushnabinna [illegible] the [illegible]
the big stream gully on N. face of Galtymore
then along cliffs onto L. Curra about where
had lunch; after lunch went on at about
1.50 – 2 [illegible] [illegible] the E end
of the middle range of cliffs S of lake, then
up to top range of cliffs [illegible] & [illegible]
the E. end of the range from just W of the
great gully with huge overhanging rock on
top (on E. side), & finally came out on ridge
just W. of the cairn of Galtymore [illegible]
Next set off along boundary wall between
Tipperary & Limerick & walked W & SW till
we reached summit of Lyracappul, 2712
ft.

10. 6. 1924, cont.
& nearly a mile [illegible] the Limerick boundary. Had
afternoon tea just below 2.15 of summit & after
tea worked all along cornice from Lyra-
cappul to the N. spur of cliffs below Carrigna-
-binnia & then straight down to gully NE of
same to see Meconopsis in flower & so home.
Reached hotel about 9.45 P.M. Mist came
down on hills about 5 P.M. & by 6.30 it had
started to drizzle, with wind now SE (instead
of N.W. in morning!); the drizzle gradually
increasing to a steady drip on [illegible] [illegible]
[illegible] (about 7.30 P.M.) & continuing till [illegible]
time. Collected [illegible] in two places only
during day:— (1) on rocky plateau at about
2,000 ft. overlooking SE corner of L. Curra & for
a couple of hundred feet up cliffs S of the
plateau, & (2) along ridge of Lyracappul on
both sides of actual summit for 1/4 mile
at an alt. not less than 2,650 & including
summit, 2712.
Spent the rest of the day looking for plants
& the following noted :—

313

[illegible] in plant list?

10.6.49, cont. – N. of Galtymore, E. of L. Curra, S.T.
Plants seen on way up the gully on N. face of Galtymore & cliffs [illegible] to about 1900 ft.
At about 1300–1400 ft. Saxifraga umbrosa, Geranium Robertianum, Teucrium, Hedera Helix, Lonicera, Digitalis, Hypericum [illegible] first noted there; several [illegible] beside a waterfall; Sax. hirta also noted & seen several times for 100 ft. below this; at another waterfall, ca 1500 ft. a clump of Raspberry (Rubus Idaeus) seen for the first time in Galtees, & Asplenium Trichomanes (a few plants only!); at 1500–1600 ft. beside another waterfall Raspberry, Ivy, Rowan, Strawberry, Sax. hirta & others. Chrysosplenium oppositifolium, Veronica Chamaedrys, Valeriana, Asplenium Tri., Epilobium montanum seen; & at 1600–1700 Golden rod (Solidago) in flower & a bush of Salix aurita noted.
Nothing in particular seen on cliffs at head & W. of gully, except a few shoots of Raspberry (under a large Rowan tree).

314

10.6. day, cont. L. Curra, Co. S.T., cont.
On cliffs above SE corner of L. Curra noted the usual plants found in this county, including Oxyria digyna (about [illegible]) & Salix herbacea on the upper series of cliffs, ~~[illegible]~~ & Geum rivale in several places on the middle series of cliffs, ca. 2,100. No sign of Arabis petraea & no trace of Saxifraga seen, though several places very like that in which the former grows W. of the lake were found.
We particularly noted that all the Saxifrages (i.e. mossy Saxifrages) seen on this day in the gully & on cliffs & slopes above L. Curra belonged to the S. hirta type & none the least like S. hypnoides.

Carex goodenowii (v. juncella ?) very plentiful on wet plateau (= part of moraine) at ca 2,000 ft. overlooking S.E. corner of L. Curra, but not seen above this.
Carex rigida all the way along main ridge from above L. Curra to wall on the Limerick boundary near [illegible].

715

10. 6. 44, cont. – Lyracappul & Carrignabinnia, Lim., cont.

Carex pilulifera gathered at about 2,500 on escarpment between Lyracappul & Carrignabinnia.

The following plants noted on bluffs along W. face of Lyracappul, ca. 2650 ft.:—
Sax. hirta & stellaris, Salix herbacea, Taraxacum, Oxalis, Cardamine hirsuta, Viola Riviniana, Lycopodium Selago, Campanula rotundifolia, Poa annua & Hymenophyllum peltatum. Also noted absence of Calluna from these cliffs.

Travelling E along escarpment from Lyracappul to Carrignabinnia, we noted Sax. hirta & stellaris, Sedum roseum, Campanula, Viola Riviniana, Oxalis, Hymenophyllum peltatum, Cystopteris, Polypodium, Poa annua, Galium saxatile, Chrysosplenium, Euphrasia.

On Carrig itself Oxyria digyna, Salix herbacea, Cerastium triviale,

716

10. 6. 44, cont. – Lyracappul & Carrignabinnia, Lim., cont.

Saxifraga hirta, & Vaccinium Vitis-Idaea.
[Again noted that no trace of Saxifraga hypnoides seen on these cliffs, though common in valley bottom N.W. of Carrig].

Meconopsis in valley bottom N.W. of Carrig just in flower: one plant with 2 flowers & two with one each.

Birds. A couple of Ravens were flying over upper cliffs above the [illegible] & were [illegible] & [illegible] [illegible] [illegible] of [illegible] [illegible]. Two Hooded Crows seen on the escarpment [illegible] bag & also one [illegible] [illegible] on [illegible] [illegible] [illegible] other days. [illegible] [illegible] of Ravens [illegible] [illegible] accompanied by one of the other birds. (? is the that the young Ravens are fed on in the [illegible] parent bird had [illegible] [illegible].) Snipe today [illegible] [illegible] [illegible]

217

10-6-44, cont. Lyracappul & Carrignabinnia, 6K. [illegible]
on [illegible] west of Lyracappul [illegible]
drift between [illegible] & col toward
Carrignabinnia, [illegible] & S.
wind [illegible], & [illegible]
[illegible] for the [illegible], [illegible]
[illegible] on [illegible]
with [illegible]
[illegible]
[illegible]
[illegible] [illegible] ent. 44
[illegible] 12 m. [illegible]
[illegible] on way up to gully [illegible]

Lyracappul is really a [illegible] edge, [illegible]
[illegible] top & the col between it &
Carrignabinnia is [illegible] & few yards wide.
[illegible] R.S. [illegible]
[illegible]
plants & [illegible]

10-5-44, cont. L. [illegible], S.T. (= 1)
Insects taken at 1 (? [illegible]) [illegible] on [illegible]
[illegible] S.E. corner of [illegible] at [illegible]
[illegible] above. [2 [illegible] from 1 [illegible] labelled 2.1.1944!]
Dolerus [illegible] ♀ [illegible]
Pachynematus 28°, [illegible]
[illegible]
Diptera & [illegible], [illegible] — [illegible].
Empis [illegible] Polygonum
♂ ♀ [illegible] ent. 20. ♂ ent. 17.
[illegible] ♀ [illegible] ✓ [illegible], [illegible],
[illegible] (both) 25 [illegible].
Bibio [illegible] ♀, ent. 17
[illegible] nigrescens ♂, ent. 20 A. [illegible] ♀, ent. 15,
[illegible] ♂, 3 ♀♀, ent. [illegible], 21, 20 [illegible]
Aphidius [illegible] ♀, ent. 16
Platygaster 2 =

Coleoptera 1 =
Syrphidae 1 =
Beetle 18 (given [illegible] E [illegible]

([illegible]) bipustulata L.) [illegible] [illegible] [illegible] [illegible] [illegible] 2 [illegible] [illegible] 6K.

219]

10 & 11 Dec, cont. [illegible], C. 1 K. 2,700 ft.
Beaten swept of mostly herbage from col to summit, 2600(?) to 2700 ft. and off flowers of Erodium [illegible] in shelter of wall which [illegible] parallel to summit, but on SE side of ridge, or on edge of summit facing west & sloping [illegible]. Swifts were hawking.
Two specimens of Erodium taken in fruit [illegible] coming up from col to summit.

[illegible] [illegible] [37 insects mounted from [illegible] & [illegible] 5.1.1947.]

[illegible] [illegible] ♀, ant. 25.

[illegible] uniformis [illegible] ♀.

[illegible] ♀, very small, ant. 19.

[illegible] ♀, ant. 23.

[illegible] 2 ♀♀, ant. 18 & 20, [illegible]

[illegible] 4 ♀♀, ant. 16, 17, 17 & 16, [illegible]

[illegible] ♀, antennae [illegible] (in [illegible])

[illegible] 4: 3 only mounted =

a. ([illegible]) [illegible] ♀, ant. 14 segmented.

a. (S.) probably [illegible] ♀, head [illegible] behind eyes

a. (S.) ? [illegible] ♀, ant. 17, head not [illegible] behind eyes [illegible]

[illegible]; antennae nearly as long as body.

[NB the above of [illegible] might just as well belong to the latter as the former! A.W.S. 6.1.1947.

---

10 & 11 Dec, cont. [illegible], C. 1 K, cont.

[illegible] 2 [illegible] [illegible]

[illegible] 3 ♀♀, ant. 26, 23 & 28.

[illegible] ([illegible]) ♀, ant. 24.

[illegible] ant. 27 & [illegible]

[illegible] 10, 7 ♀♀ =

a. [illegible] 6 ♀♀ probably [illegible], ant. 24(1), 17(2), 18(2) & 19(1)
also a [illegible] (ant. 19) [illegible], probably [illegible] species.

a. [illegible] ♀, ant. 16.

[illegible] 1 small ♀

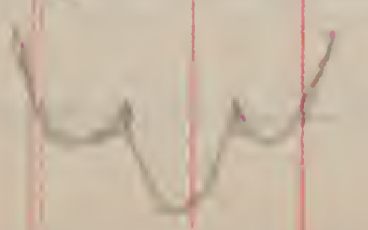
[illegible] [illegible] [illegible]

[Also [illegible] [illegible] [illegible] [illegible] of summit [illegible] [illegible] [illegible]]

221

11th June 1944. A fine breezy day, with much hot sun & a strong W. wind, which militates almost completely against [illegible] in [illegible] [illegible] before.

In forenoon spent an hour (10-30 till 12 p.m.) sweeping round the big pond in [illegible] under [illegible] [illegible] for [illegible] mins, as before = 1.

In afternoon went a little way [illegible] below the school & [illegible] through fields E of [illegible] Lodge [illegible]; [illegible] in top field examined [illegible] [illegible] saw [illegible] Bog [illegible], Pedicularis palustris & sylvatica for comparison & plenty of Pinguicula lusitanica in full flower, the last all [illegible] by [illegible] from one spot in [illegible] at [illegible]. [illegible]: Orchis [illegible], Habenaria bifolia, Orchis [illegible] of maculata with unspotted leaves (never seen before!) & lots of Orchis [illegible], which [illegible] [illegible] called the "[illegible] latifolia", i.e. the [illegible] taller plant with labium of flower more like fuchsia  = 2.

Found Eggs of [illegible]

N. 6 daily cont. [illegible], [illegible] county, S.T.

Taken at 1. 12-30 till 2 p.m. [illegible] 20.10.1944]

Pompilus [illegible] ♀ [illegible]

[illegible]

[illegible]

[illegible] ♀.

[illegible] 25 [illegible]

[illegible]

[illegible]

[illegible] ent. 25.

[illegible] ♀, ent. 22.

[illegible] 2 ♂♂ } not [illegible]!

[illegible] ♂

Bracon [illegible] 12 ♂♂, [illegible] [illegible] [illegible]!

B. [illegible] = [illegible], ent. 26 (?). damaged!

B. [illegible] damaged, ent. 33.

B. [illegible] ♀, ent. 27

Metacoronus [illegible] ♂, ent. 25.

222

11.6.44, cont. Pond, [illegible], S.T., cont.

Taken [illegible], cont.

Ophion [illegible] 2 [illegible]

O. [illegible] var. ♂, [illegible] (?), ent. 33, [illegible] orbits reddish; (2 [illegible])

Phaeogenes [illegible] ♂, [illegible] 6.44.

= Ph. notabilis [illegible] "9.7.1944."

Campoplex [illegible] ♂, ent. 44; [illegible] club shaped, femora [illegible].

[illegible] 1♂

[illegible] 1♂ (ent. 31), 1♀ (ent. 30). [illegible] 1♂ (ent. 35), 2♀♀ (ent. 34)

[illegible] 1♂ [illegible], ent. 33, [illegible].

[illegible] 2: 1♂ [illegible], ent. 24; [illegible] = [illegible] 31.12.44.

[illegible] 1♂, ent. 28.

[illegible] strigosa [illegible] 1♂ (ent. 26) + 1♀ (ent. 27), also 2♂♂ (ent. 26, 26 & 27) apparently same species but [illegible] & pale legs; ♀ [illegible] ent. 26 [illegible] = ? ♂ of [illegible] strigosa var. [illegible] 31.12.1946.

[illegible] ♀, ent. 16.

[illegible] ♀, ent. 21.

[illegible]
[illegible]
[illegible]

Dipterous =

[illegible] ? ♂♂ of Donacia [illegible]

(21, cont.)

11.6.1944, cont. Pond, [illegible], S.T. Cont.

[illegible] =

11.6.44, aft. (= 2) [illegible], S.T.

Taken at 2. [36 [illegible] 7.1.47 [illegible]]

[illegible] = [illegible] ♂, ent. 21.

[illegible] ♀ [illegible] ent. 28.

[illegible] ♂? yellow [illegible] face — [illegible]

= Polysphincta [illegible] [illegible] 8.1.1947.

[illegible] ♀, ent. 21.

[illegible] = [illegible], ent. 22.

[illegible] ♂, ent. 23.

[illegible] ♂ {ent. 20 [illegible] 8.1.1948}

[illegible] ? ♂, ent. 25

[illegible] ♂ yellow face = [illegible] ? ♂, ent. 41.

[illegible] ♀, ent. 25.

[illegible] ♀, ent. 21, [illegible] = [illegible].

11 ♀ [illegible], [illegible], [illegible]. [illegible] [illegible] [illegible], S.T., [illegible]

Tube [illegible] 2, [illegible]

[illegible] [illegible] [illegible] ♂, not bad, [illegible], ant. 22.

B. of [illegible] '[illegible]', [illegible] [illegible] 11.

B. [illegible] [illegible] ♀, [illegible] [illegible], ant. 26, [illegible] [illegible]
seems to agree [illegible] [illegible] [illegible] [illegible] AMS. [illegible]

[illegible] [illegible] [illegible]. 3 [illegible] [illegible] ♀ labelled [illegible] 12.1.1945.

[illegible] [illegible] [illegible] ♀.

[illegible] [illegible] [illegible] ant. 24

[illegible] [illegible] [illegible] ♂, [illegible] [illegible], ant. 21, [illegible]

[illegible] [illegible] ♂ ♀ [illegible], ant. 18 & 19.

[illegible] [illegible] small ♂, not together [illegible], [illegible] 31 [illegible] ant. [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible], ant. 23.

[illegible] [illegible] small ♂ [illegible] [illegible], ant. only 21.

[illegible] [illegible] ♀, ant. 21; [illegible] [illegible] [illegible], [illegible]

[illegible] [illegible] ♀, [illegible] [illegible], ant. both 24.

[illegible] of [illegible] ♂, ant. 20.

C. of [illegible] or [illegible] ♀, ant. 16.

Rostes ♂ (all [illegible]) =

[illegible] (all) =

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

Left [illegible] at [illegible] [illegible] [illegible] [illegible] [illegible] to Tiffany — [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] — [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] — [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Tiffany [illegible] [illegible] plantation [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

[illegible] [illegible] plantation [illegible] [illegible] [illegible] [illegible] 12–20 [illegible] Tiffany, S.T.
[23 [illegible] [illegible] labelled [illegible] 9. 1. 1945.]

[illegible] ♂, none std.

[illegible] [illegible] ♂, ant. 12, [illegible] ant. 21, [illegible] [illegible] [illegible]

[illegible] [illegible] ♀, [illegible], [illegible] [illegible] [illegible].

[illegible] [illegible] ♀. not std.

[illegible] ♂, ant. 27 = [illegible] [illegible] small ♂.

Hel[illegible] ♂. not std.

12. 6. 1944, cont. S. of Tipperary, S.T., cont.

[illegible] [illegible] not counted.

[illegible] ♂, ant. 19, basal [illegible] segment elongate.

[illegible] [illegible] (taller, [illegible]).

[illegible] ♀, ant. 23.

[illegible] ♀, ant. 22

O. [illegible] ♂, 'Type' ♀ ant. 10. 21. very dark [illegible] 3rd & 4th [illegible] all [illegible], [illegible] A.W.S. 10. 1. 1947.

O. [illegible]? 1 ♂, ant. 25, [illegible] darkened.

[illegible] ♀: not std.

P. [illegible] ♂ & ♀: not std.

Orthocladius [illegible]? ♂ (ant 23), ♀ (ant 21). O. [illegible] ♀ ant 14.

[illegible] 10 = O. [illegible] ♂, ant 17

O. [illegible] = 1 beautiful ♀, ant. 16 O. [illegible] = 2 ♀♀, ant. 16 & 16, the latter a tiny ♀, [illegible]

O. [illegible] ♂, ant. 26, very long; [illegible] 12.2 [illegible]

O. [illegible] ♀, ant. 24, ♀. O. ? ♀, ant 15.

O. [illegible] ♂, antennal segment ('basal') elongate, 22.

O. [illegible] ♂, basal antennal segment short, 24.

D[illegible] [illegible] ♀ ant 24

D. [illegible] ♀ ant 28

D. [illegible] ♀ } none std

[illegible] ♀

12. 6. 1944, cont. S. of Tipperary, S.T., cont.

[illegible] of [illegible]? ♀? ant. 20, [illegible] developed.

[illegible] ♀, not std.

[illegible]? [illegible] ♀, ant. 21.

Psocids. 12. } 1 brachypterous Psocid alone mounted. } =

Chalcids 3.

Syrphids [illegible]

N.B. Started labelling the Tipperary trip specimens on 4th Nov. 1946 & finished on night of 10th Jan. 1947: very interesting! A.W.S. 10.1.1947.

END OF TIPPERARY TRIP 1944.

18th June 1944. A [illegible] day ([illegible]) [illegible] (E. 20° [illegible]) [illegible] sky clouded [illegible] morning, a [illegible] breeze: in morning [illegible] W. & NW. breeze, in afternoon [illegible] & cooler, at mid day [illegible] but [illegible] fall.

Left home at 10.00 AM & rode to Louisa Bridge, Royal Canal, beyond Leixlip, Co. KD., & went straight on to lock ¾ mile W of bridge & walked back to plantation ½ mile W. of bridge. Collected in the following areas & left for home at 5.00 & home at 7 PM.

1 = sides of canal & tow path between lock & plantation (½ mile W. of Louisa Bridge), Co. KD.

2 = Walked in plantation, as often before.

3 = Sides of canal & tow path just E of plantation.

4 = W. side of field (in wheat this year) between canal & Maynooth Rd. ½ mile W. of Louisa Bridge.

Saw during day along canal:-

Bombus sylvarum (1), B. distinguendus (1), B. lucorum, B. agrorum, B. derhamellus (1) ♀♀.

[illegible]

[illegible]

18.6.44. Col. - Royal Canal, KD., cont.

Taken at 1. [[illegible] 11.1.1947] [illegible] N.W.S. 11.1.1947.]

Tenthredo "arcuata" ♂♂ & ♀♀.

T. [illegible] ♂ ♀.

Pachyprotasis [illegible] ♀.

[illegible] 2 ♂♂ not mtd.

[illegible] ♀ ent 22. [illegible] ♂ ent 26.

[illegible] ♀♀ not [illegible].

B. [illegible] ♂ ent 30.

[illegible] 4 = [illegible] 2 ♂♂, 2 ♀♀.

[illegible] 2, Chalcid [illegible] ♀♀.

[illegible] ♀, very small, red head, ent 19.

[illegible] ♀, ent 26.

[illegible] sordida [illegible] 1 ♀, ent 22.

Opius 3 including O. caesus 1 ♂ not mtd.

O. [illegible] ♂ ent ♀ ([illegible]). O. [illegible] ♂ ent 24.

[illegible] 5, including [illegible] 1 ♀, ent 16, small & nice!

[illegible] var. nov. [illegible] ♀, ent 15 [illegible]

[illegible] ? [illegible] 2 ♀♀, ent both 16.

[illegible] ♀, ent 16.

D. [illegible] group 7: not all. Also D. [illegible] ♀, ent 25.

D. [illegible] 1 large ♂ (ent 24) & 1 very small ♀ (ent 26).

D. [illegible] ♂ ent 29. D. [illegible] ♀, ent 19.

D. [illegible] ♀ ent 26. D. [illegible] ♀, ent 24.

[illegible] letter of 17.1.1947.

[illegible] 13.1.47 [illegible]

231

18.6.44, cont. Royal Canal, K.D., cont.

Taken at 1, cont.:

Coelinius ? 1 ♂, ant. 44; nearly [illegible], [illegible], [illegible]; similar to ♂ taken at [illegible], W., 12.1.9 1940!

Aphidiids abundant; nearly all ♂♂.

About 70 in number, but very few were mounted & the antennae of those mounted nearly all mutilated by a Psocid(?) while awaiting labelling. A.W.S. 12.1.1947

The following mounted & kept, in spite of mutilated antennae:—

Praon volucre ?, ant. x. Monoctonus nervosus ? 3 ants ♂♂, the only complete ant. 17-seg.

Aphidius [illegible] ♀, ant. x.

A. ___ ♂ on ant. 17.

A. ♂, ant. x

Proctos. 9: small spp. abundant.

Chalcids 19: small spp. abundant.

Cynipids 10: small spp. abundant.

none of these three groups mounted.

Diptera & [illegible] chosen

Coleoptera! & [illegible]

232

18.6.44, cont. R. Canal, K.D.

Taken at 2, cont.:

Cryptinae 7

[illegible] ? ♂ ant. 30, [illegible]

Polysphincta varipes ♂.

Campoplex 2 ♂♀, (♀).

Other Campoplegini 1 ♀.

Taken at 2. [71 mounted from 2 & began labelling on 12.1.1947.

Stenodontus marginellus ♀, ant. 38.

[illegible] ♀, ant. 31

[illegible] ♂, ant. 26.

[illegible] about 20: only two mounted, as follows:—

[illegible] ♂, ant. 20

[illegible] ♀, ant. 21

[illegible] ♀ [illegible], ant. 30

[illegible] [illegible], ant. 33.

[illegible]

[illegible]

[illegible] 24

none mounted!

18.6.44, cont. – R. Canal, K.D., cont.

Taken at 2, cont.

[illegible] [illegible] ♂ : not [illegible]

[illegible] [illegible] 2 ♂ ♀ ; no [illegible]

[illegible] [illegible] ♀ : not [illegible]

[illegible] [illegible] ♀ [illegible], not [illegible]

[illegible] [illegible] ♂ ♀, [illegible] } [illegible]

[illegible] [illegible] ♂

Other [illegible] 1 ♂

Rhyacophila [illegible] 8 ♂♂, 1 ♀ : not [illegible]

[illegible] [illegible] ♀ : not [illegible]

[illegible] [illegible] ♂ not [illegible] R. [illegible] 'Nat. [illegible]'

[illegible] [illegible] ♀ not [illegible]

[illegible] [illegible] ♀ not [illegible]

[illegible] [illegible] ♀, not taken.

O. [illegible] 7, including O. [illegible] [illegible] : not [illegible]

O. [illegible] [illegible] 1 ♀, not taken at [illegible] point, [illegible]

O. [illegible] (1 ♂ (ent. 23), 1 ♀ (ent. 24!)), small very dark [illegible], of [illegible]

[illegible] [illegible] ♀ not [illegible].

[illegible] [illegible] ♀ : not [illegible].

[illegible] [illegible] ♀, ent. [illegible].

O. [illegible] [illegible] ♀, ent. 18. O. [illegible] [illegible] 'Type' ♀ ent. 18, [illegible] — AWS 15.1.47
[illegible] [illegible] ♀ [illegible] 1.5 mm.

O. [illegible] 5/4 ♂ Type! AWS 15.1.1947. O. [illegible] ? ♀, ent. 21.
ent. 23, [illegible]

[illegible] about 35, including: A. (C.) [illegible] (5 ♂♂ (ent. 18 to 21) / 4 ♀♀ (ent. 16, 17, 17, 18).

[illegible] [illegible] 2 ♂♂ & A. minutissima ? ♂ ent. 17

[illegible] ♀, small, ent. 20. [illegible] ♂, ent. [illegible]
— [illegible] AWS. 7.2.47.

[illegible] ♂ Type! ent. 18, [illegible] 'AWS. 15.1.47.

[illegible] (1 ♂, ent. 24) (1 ♂, ent. 21) [illegible] 2 ♂♂, ent. 23 + 18) [illegible] ent. 18

[illegible] ♂, ent. 18, [illegible] D. [illegible] AWS. 16.2.47. [illegible] ent. 18, [illegible]

[illegible] a very [illegible] ♀, ent. 21. [illegible] ♂ ent. 20, very [illegible]

[illegible] 5 ♂♂ (ent. 18, 18, 17, 19 & 20). [illegible] 2 ♂♂ (ent. [illegible] 18).

[illegible] ([illegible]) [illegible] 2 ♂♂ (ent. [illegible] 18), 1 ♀ (ent. 16).

[illegible] [illegible] [illegible] about 40, including:

D. [illegible] 2 ♂♂, 1 ♀, D. [illegible] ♀

D. [illegible] [illegible], not [illegible]

[illegible] [illegible] [illegible] ♀, ent. 24. [illegible]

D. [illegible] ♀, ent. 22.

D. [illegible] 1 ♂ (ent. 22), 2 ♀♀ (ent. 22 + 25).

D. [illegible] ♀, ent. 24.

D. [illegible] ♂, ent. 24.

D. [illegible] ♂, ent. 25. [illegible]
[illegible] [illegible] 1 ♂ taken at 1]

[illegible]

18. 5. [illegible] cont. R. Carmel, K.D., cont.

Taken at 9, cont.

Aphidiinae 2 about 50, of which the following [illegible]

Praon [illegible] (probably) ♀ [illegible] taken by [illegible] (?). [illegible] ♀, ext. 20

Trioxys [illegible] Curtis (= [illegible] Hal.), [illegible] ♀, ext. 11

Aphidius [illegible] ? ♀, ext. 19

A. [illegible] small ♀, ext. [illegible] 16.

A. [illegible] ♀, ext. 14, [illegible]

A. [illegible] ? ♀, ext. 12, [illegible]

Monoctonus [illegible] ? [illegible], ext. 17; [illegible] (?).

[illegible] : none ext.

Chalcids, [illegible] : none ext.

[illegible] 5, [illegible] : none ext.

[illegible] = [illegible] (?).

7/6

18. 6. [illegible] cont. R. Carmel, K.D., cont.

Taken at 3 [[illegible] from 3 [illegible] 1947!]

[illegible] 3, [illegible] ? ♂, 1 none ext.

[illegible] 1 ♀, ext. 20

[illegible] 2 ♀ ext. 19. [illegible] ♂ ext. [illegible]

& 3 other [illegible] : none ext.

[illegible] ♀, ext. 17 = [illegible]

[illegible] : ext. [illegible]

[illegible] ♂, ext. 25

[illegible] ♀, ext. [illegible]

[illegible] ? ♂, [illegible] at 1.

[illegible] ♂, ext. 15/19.

[illegible] ♂: ext. [illegible] O. [illegible] ? 1 ♀, [illegible] ext. 24

[illegible] ♀, ext. [illegible]

[illegible] small ♀ ext. 20/21} [illegible] ♀ large, ext. 20.

[illegible] ? small ♀, ext. 16 [illegible] ♂, ext. 18.

[illegible] (♂?) [illegible] ext. 24 ? ♀

[illegible] 7: 1 [illegible] = A. ♂, ext. 16.

[illegible] ? [illegible] ♂ ext. 21. [illegible] ♀ ext. 13

[illegible] 2 : ext. =

[illegible] 1. ext. ext.

[illegible] 1 ♀, [illegible] =

257

18 [illegible] cont. R. Canal, K.D., cont.

Taken at 4. (36 mounted from [illegible] the [illegible])

[illegible] ♂ not std.

[illegible] ♀: 3 mounted = Paraponera [illegible] ♀, ent. 28 =

Paraponera [illegible] ♀, ent. 2

4 [illegible] ♀ small wings, ent. 22.

Pimpla [illegible] ♀

[illegible] ♂ [illegible]; ent. 21

[illegible] ♂ ♀ ent. 18.

Xylocopa [illegible] ♂? ♀, ent. 21, [illegible]

Perilampus [illegible] ♀ not bad, ent. 24

[illegible] ♂ ♀, not std, ent. 22

[illegible] ♀ ♀, small, [illegible] final [illegible], ent. 12

[illegible] [illegible] ♀ [illegible]

[illegible] 2 ♀♀, ent. 6 & 25.

[illegible] ♂ } not mounted
[illegible] 3. }

[illegible] 6 ♀♀ not std

B. [illegible] ♀, ent 26

[illegible] splendidus ♀, ent 34. Very [illegible]

[illegible] ♀♂, [illegible] not std

[illegible] 2 ♀♀, one [illegible]

= [illegible] ♀ = [illegible] ♀, almost [illegible] wings
dark wings!

R. Canal, G. K.D., cont.

Taken at 4, cont.

[illegible] ♂ ♂, bad } not mounted
[illegible] ♂ [illegible] }

[illegible] [illegible] ♀; not std.

[illegible] [illegible] 3 ♂♂, not std.

[illegible] ♀, ent. 26.

Ophion [illegible] ♀ [illegible]

O. [illegible] Hol. ([illegible]), ent. 27, [illegible] wings, ♂?

O. [illegible] Hol. small ♀, ent. 30, [illegible], injured in [illegible] legs.

O. [illegible] ♀, ent. 12. O. [illegible] Hol. ♀, ent. 19.

[illegible] [illegible] ♂. not std.

[illegible] [illegible] ♂, small, ent. 16.

[illegible] lucida, a robust ♀, ent. 30, [illegible] legs.

[illegible] 4 (2♂♂, 2♀♀) = [illegible] ♀, [illegible], ent. 22,

[illegible] ♀, ent 17; & 2 ♂♂ [illegible]

[illegible] ♂, ent. 33. [illegible] ♂, ent 14.

[illegible] [illegible] 2 ♂♂ (ent. 32 & 33), ♀ (ent 37), all [illegible]

D. similis ♀, ent. 30

D. [illegible] ♀ = D. [illegible], small ♀, ent. 25

D. [illegible] 2 ♀♀, not std. [See Diary vol. 13, p. 222 for [illegible]!]

D. [illegible] 7 (2 ♂♂ & ♀♀) not std.

[illegible] sp. [illegible] ♀, very small, ent. only 26.

239

18. 6. 44, cont. R. Canal, K'D, cont.

Taken also, cont.

Ephedrus [illegible] ♀, at [illegible] 10, [illegible]

Bracon ♂ (not det.)

[illegible] of [illegible] ♂, at 17.

Aphidius — 13, mostly C. [illegible] ([illegible]), but also the following:

A. [illegible] ♀, at 17

A. of [illegible] ♀, at [illegible]

A. of [illegible] ♀, at 14

Proctos. 5

Non det.

Chalcid 5

20th June 1944. 1 ♀ Dacnusa [illegible] taken at light in house at 11 PM, 14 Glenville Rd., Harold's Cross, Dublin.

21st June 1944. A very dry day, with very hot sun & dry cool E breeze, after a hot, misty, warm, & [illegible] morning day. [illegible] by 9 [illegible] to [illegible] with Desmond [illegible] [illegible] joined us on bike, & walked up the N. Slade Brook. Reached [illegible] at about 1,000 ft, at 1 PM.

240

21. 6. 44, cont. Glenasmole, Co. Dn

Spent most of the day observing [illegible] the plants, but collected insects in two places as follows:—

1 = Slade Brook, on Salix & [illegible] scrub, or [illegible] in old river channel, at 800-900 ft.

2 = Flat at head of upper reservoir, Glenasmole, scrub along edge of Equisetum limosum association, but some on dry sandy edge of reservoir on both banks of Dodder river at flow into the reservoir.

[(?) [illegible] labelled 1. 2. 47.]

Taken at 1. Slade Brook, Glenasmole, Dn, 800-1,000 ft.

Bombus pratorum ♂♀ & B. agrorum ♀♀ seen. [illegible]

Vanessa [illegible] & Helicita of [illegible]

[illegible] ♂ & ♀ seen at the head of [illegible]

[illegible] ♀ seen at 800 ft, with [illegible]

Odynerus pictus ♂ at 1,000 ft.

Pompilus [illegible] ♂ " "

Crabro [illegible] ♂ at 1,000.

C. [illegible] ♂♀ at 800 ft.

C. dimidiatus ♂♀ " "

Non det.

31.8.44, cont.   Slide Brook, G. Div, cont.

Tenthredo [illegible] ♀ ([illegible] ?) [illegible] } not std.

Rhogogaster "[illegible]" 2 ♀♀ [illegible]

[illegible] ? ♂ = [illegible] ♂

[illegible] ♀ [illegible] not std.

Bracon[illegible] ? 2 ♂♂. not std.

[illegible] ♂. not std.

[illegible] ? small ♀ [illegible] = [illegible] ent. [illegible]

[illegible] ♂ not std.

[illegible] 2 ? : not std = Phygadeuon sp. ♀, ent. 26.

[illegible] ♀ not [illegible]

[illegible] of [illegible] [illegible] ♂, ent. 4.

Glypta ♂ yellow mandibles & [illegible] = [illegible] ent. 29

1 = ([illegible] Thom.)

Bracon [illegible] small ♀, ent. 18

[illegible] ♂, ent. 21.

[illegible] ? ♂, ent. 23

[illegible] ♀

[illegible] ? ♂ & ♀ } not std.

[illegible] ♂.

31.8.44, cont.   Slide Brook, Div, cont.

Meteorus sp. 4 ♂♂, 2 ♀♀ } none std.

Other [illegible] 3

Perilampus [illegible] ♂♂ } not std.

[illegible] ♂.

Bracon [illegible], 2 ♀♀, ent. 25 & 27.

[illegible] ♀ [illegible] 1 ♂ ♀, ent. 33, [illegible]

[illegible] ♀ ; not std.

Blacus [illegible] ? ♂, ent. 30.

[illegible] 2 ♀♀ = [illegible] ? ♀, ent. 15.

[illegible] ? ♀, ent. 17 — [illegible] from R. Carrol, N.B., (2) 18.6.44.

Dacnusa [illegible] ? 2 ♀♀ ; not std.

[illegible] ♂, ent. 63.

Aphidiini 3 : none std.

Proctos. 3 : 1 mounted.

Cynipid 1 ; not std.

21.6.1934, contd. Glenwood, Del., contd.
Taken at 2. (Early afternoon?). ([illegible] collected 21.vi.1940.)
Ants [illegible] 2 glabrate [illegible] respectively.

[illegible]

[illegible] 6 } [illegible] mounted

[illegible]

Bracon [illegible] 2♂♂ 2♀♀ : not mounted.
B. [illegible] ♂ : [illegible]
B. [illegible] ♂ + ♀, on [illegible]; ant. 34(♂), 31(♀).
B. " " " ♀, larger, ant. 31.
[illegible] ♂, 2♀♀ all mounted
[illegible] ♂, ant. 27, [illegible]
Apanteles [illegible] ♂, ant 26, [illegible]
[illegible]
[illegible] ♀ } not mounted
[illegible] ♀. }
[illegible] as [illegible] are not complete
of [illegible], ♀, ant. 31.

21.6.34, contd. Glenwood, Del., contd.
[illegible] compositum [illegible], ♂, ant. 30.
[illegible] ([illegible]) [illegible] ♂ + ♀, ant. ♂ 21, ♀ 15.
Dacnusa [illegible] prob. 15 (♂♂ + ♀♀).

D. [illegible] -affinis prob. about 16 [illegible]
= D. [illegible] 1♂ + 2♀♀ mounted, all with 32 seg. ant. + [illegible]
also 1♀, ant 24, [illegible]
D. [illegible] 3♂♂, ant 28, 30 + 30; + var. [illegible] 2♂♂, 1♀, ant. 29, 30 + 26.
D. [illegible] Nixon ♀, ant. 30 = [illegible] Nixon 1937 in part.
D. [illegible] ♂ 1♀, [illegible] 30 [illegible]
D. [illegible] 2♂♂, ant. 30 + 32.
D. [illegible] 2♀♀, ant. 30 + 31.

Aphidiinae [illegible] 6

Rest [illegible] ?

Chalcids 2.

25th June 1944. A hot day, [illegible] [illegible]
& [illegible] & falling glass.

[illegible] to [illegible] & spent day at
Glending (the overflow channel on the WI-KD boundary
which extends through the little gut W. of [illegible]).
Left home at 10.30, reached foot of Slade of Suggest
— just under an hour & Grassholding 17 minutes later,
except for one stretch of 200 yards, which walked, rode
to Glending in 5 m 10 sec without getting off bike; had
lunch & then collected as follows: —

1 = edges of Kettle hole (pond & marsh) at N. end of Glending, Co. KD. 1.30–2.30.
2 = N end of wood on E side of Glending, Co. WI. 2.30–3.30
3 = middle & towards S. end of wood, Co. WI. 3.30–4.30
4 = marshy pond (Kettle-hole) in field [illegible] N. of [illegible] (on [illegible] road) & on E. side of road. 5–5.15.

Left station at 33 minutes past 5, reached top of
Slade of Suggest (Grassholding) at 5.57 & foot of slade
7 minutes later & home at 6.33; i.e. 1 hour & ten minutes.

25.6.44, contd. Pond & marsh, Glending, Co. KD.

Taken at 1. [36 counted from 1 & these / totalled 11.2.1947.] [illegible]

[illegible] [illegible] not counted.
[illegible] 36: but only 2 mounted [illegible]
[illegible] [illegible] [illegible] 16.
[illegible] [illegible] 24.
[illegible] [illegible] 30 [illegible], [illegible] 20, 21 & 21.
[illegible] elongata [illegible] not mtd.
[illegible] [illegible] not mtd.
[illegible] [illegible] [illegible] 24.
[illegible] [illegible] [illegible] not mtd.
[illegible] [illegible] not mtd.
[illegible] of [illegible] [illegible] 29
[illegible] [illegible] [illegible] 18
[illegible] [illegible] not mtd.
[illegible] [illegible] 15 [illegible] [illegible] mtd.

[illegible] [illegible] [illegible] [illegible] [illegible] — [illegible]
[illegible] [illegible] [illegible] 10 [illegible], only mtd. — [illegible] 79.

[illegible] [illegible] ? 6 [illegible] not mtd.
[illegible] [illegible] 1 [illegible] mounted!

25. 6. 44, cont. Glanding, K.D. cont.

Taken at 1, [illegible], cont.

Opius singularis ♀ } not ent.
O. [illegible] ♂ & ♀ }

O. exilis Hal. ♀, ent. 24

Pentapleura pumilio ♂, & 2 ♀♀. not ent.

Phaenocarpa ruficeps Nees = ♂ of Ph. [illegible] Hal.
2 very large & beautiful specimens, ent. 32.

Ph. [illegible] ? ♂, not [illegible] (at least ?), ent. 33

Ph. [illegible] ♀, ent. 27.

Aspilota ... 12, [illegible] 2 different [illegible], ent. 18, and

A. maculipes Hal. ♂ ent. 15 (abnormal) & 16 (small), ♀, ent. 17.

A. nigricornis ? 2 ♂♂, ent. 20 & 21. A. vulgaris n. ? ♀, ent. 19, ? 1 ♂ ent. 23

A. sp. ? ♂, ent. 22. A. fuscicornis ♀, ent. 16.

A. ruficornis ♂, ent. 17 (?), damaged & [illegible].

A. (Synaldis) distincta ♀, ent. 20, large mandibles. A. (S.) [illegible] ♂, ent. 21.

Dacnusa areolaris in thousands, & [illegible], only ♂♂ {none mounted}

D. stramineipes 1 ♂, very large, ent. 29.

D. [illegible] at least 1 ♀ & ? 1 ♂: not ent.

D. [illegible] ♂, ent. 34.

D. sp. ? ♂ ent. 30. [illegible], [illegible] [illegible],
[illegible] & broad [illegible], [illegible] new [illegible] ?

25. 6. 44, cont. Glanding (2nd), K.D., cont.

Taken at 1, cont.

Coelinius [illegible] ♂, ent. 28.

C. [illegible] ♀, very small, [illegible], ent. 30 but rather long.

Chaenusa conjungens 2 ♂♂. not ent.

Trioxys [illegible] 3 ♀♀ & 1 ♂, ent. ♂ 13, ♀♀ 12 each.

Ephedrus [illegible] 17, none ent.

Proctos. 5. none ent.

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25. 6. 44, cont. Glanding Wood, Co. W1.

Taken at 2 [27 insects mounted from 2 & those labelled 7.2.1947!]

Selandria stramineipes ? 2 ♀♀.

Tenthredo "mesomela" ? ♀.

T. [illegible], 1 black-red ♀ & 1 [illegible]-coloured ♀, swept
off [illegible] of an oak at same [illegible].

Tenthredo ? ♀, [illegible] = [illegible] ♀.

25. 6 '44, cont. Glinding Wood, W1, cont.
Taken at 2, cont.

[illegible] 5 ♀ only mounted =
[illegible] ♂, cat. 15.
[illegible] ♂ cat. 26
[illegible] 1♂ std., cat. 34.
Bracon [illegible] 4♂♂ not std.
D. [illegible] ♂, 1♂, cat. [illegible]
[illegible] 1♂, 1♀ not std.
Stenomacrus [illegible] 2♂♂ not std.
St. [illegible] ? 1♂, cat. 24. S. [illegible] ? ♀, cat. [illegible]
St. of [illegible] ? ♂, [illegible], cat. 30.
St. minutus ? ♀ cat. 18.
Gen. et sp. ? ♂ = Sinophorus xanthostomus ♂, cat. 21.

Hemiteles [illegible] ? 5 ♀♀ – 1♀ mtd. cat. 27. & [illegible] ♀ of another
? of Campoplegid.

Bracon 1♂, 1♀ = B. [illegible] ♀, cat. 27; & probably a small [illegible] ♂ of same species, with [illegible] 2; the species may be only a dark & dark-legged form of [illegible]

25. 6 '44, cont. Glinding Wd., W1, cont.
Taken at 2, cont.
[illegible] lateralis ? 1♂, 1♀.
[illegible] 2♂♂; not std.

Pygostolus sticticus 1 large dark ♀, cat. 33.
Blacus [illegible] 1 small ♂ not std. B. [illegible], [illegible] 4♂♂, not std.
Opius [illegible] 2♂, 1♀ std., cat. [illegible]
O. [illegible] ? ♂ & ♀, cat. 33 (♂) & ♀ broken at 22 = [illegible].
Phaenocarpa conspurcator ♀ not std.
Aspilota 2♂♂, 1♀, but no doubt many overlooked & mixed amongst the host of Dacnusa areolaris!
= Aspilota [illegible] ♂, cat. broken at 24th sp.
? [illegible] small ♀, cat. 23.
[illegible] ♂, cat. 18, [illegible], fuscous legs [illegible]
Dacnusa areolaris ♂♂ & ♀♀ in amazing numbers: none std.
D. [illegible] 1♂, [illegible]: not std.
D. [illegible] ♀, cat. 26. D. [illegible], a very fine ♀, cat. 32.
D. [illegible] ♀, cat. 25
[No Aphidiids taken !]
[illegible] 18.

[illegible]

Chalcids 4
Cynipids 2

25. 6. 44, cont. [illegible], [illegible], Co. Wl.

Taken at 3 [23 mounted from 3 & then labelled 9. 2. 1947.]

[illegible]

[illegible] [illegible]

[illegible] 2 [illegible] =

[illegible] ♀, ant. [illegible]

[illegible] ♂, ant. [illegible]

[illegible] [illegible]

[illegible] [illegible] ♂, ant. 14.

[illegible] [illegible] ♂♂ & ♀♀ [illegible] at 2.

[illegible] dilatata 2♂♂ & 1♀.

A. [illegible] ♀

A. [illegible] subfuscatus ♂, ant. 30

[illegible] [illegible] ♀, ant. 22.

[illegible] [illegible] ♂; [illegible]

Pygostolus sticticus ♀

[illegible] [illegible] ♂, small; ant. 17–20 [illegible]

Opius geniculatus ♂, ant. 40.

O. [illegible] ♀, ant. 34.

[illegible] pumilio

[illegible] [illegible] ♀

[illegible] [illegible] ♀ Type! A.W.S. 11. 2. 1947.

Tergite 2 longitudinally keeled down centre, virtually smooth & polished! Ant. 23. [illegible] 230 in coll. formerly 'mixed with [illegible]'!

25. 6. 44, cont. [illegible] Wood, Wl., cont.

Taken at 3, cont.

Aspilota ♂♂, 3 ♀♀, including A. [illegible] ♀, ant. 20.

A. sylvatica 1 large ♀, ant. 24

A. [illegible] n. (= [illegible]) 1 small ♀, ant. 18.

& also 1 large ♂, probably this sp., ant. 24.

Dacnusa areolaris ♂♂ & ♀♀: but not so common as at 2.

D. melanocera 1 ♀, very small, ant. 23, tergite 2 very reddish

D. melanocera ♂, normal size & colour, ant. 23.

[illegible] [illegible] ♀, ant. 19.

[illegible] [illegible] ♀: not mounted

[illegible] ♀, ant. [illegible]

Proctos.: 6: not mounted.

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25. 6. 44, cont. Kettle hole in field N. of [illegible], Co. Wl. 6 p.m.

[Two mounted from 4 & then labelled 9. 2. 1947.]

Caught at 3.

[illegible] [illegible] ♀ not mtd. [illegible] [illegible] ♂ ♂ ant. 23. [illegible] [illegible] ♂ not mtd.

[illegible] sp. ♀ not mtd. & ♂ [illegible]

Dacnusa areolaris 1♂, 1♀. [illegible] not mtd. [illegible] = [illegible] F.2 not mtd.

[Rain prevented more than one sweep! Site ought to be good!!]

20th June 1920. A fine day, [illegible]
SW wind, after [illegible] at night, [illegible] degrees.
In afternoon went to Lucan, arriving at
4 P.M. & stayed till 6.20, collected in [illegible]
[illegible]
Lucan Demesne [illegible]

1 = [illegible] the upper [illegible] main path
2 = [illegible] near [illegible] public path [illegible]
[illegible] end of demesne — along main path [illegible]
3 = [illegible] W of central gate & near [illegible]
4 = [illegible] 100 yard E of central gate.

Taken at 1. [38 mounted [illegible] 12.2.'47.]
[illegible] ♂
Cryptinae 7, including [illegible] ♂, not [illegible]
[illegible] ♀, ant. 25
Acanthocryptus quadrispinus ♂, ant. 27.

Homocidus pectoratorius ♂
H. [illegible] = H. [illegible] ant. 21
♀ H. cf. [illegible] but small, [illegible]
[illegible] flavipes ; ant. 29. [illegible] ant. 21

28.6 [illegible] cont. Lucan, Co. Dublin, cont.
Taken at 1, cont.
[illegible] ♂ [illegible] } [illegible]
[illegible]

[illegible] ♂♀, 2 ♀♀ [illegible]
[illegible] 1 ♂, [illegible]
[illegible] 3 ♂♂, 2 ♀♀ mounted, ant. 21/22, 23, 20 [illegible]
22, 23, 22 (♀♀).
Apanteles [illegible]

Metopius [illegible] ♀, ant. 27.
[illegible] ♂.
Opius [illegible] ♂ & ♀.
O. cf. [illegible] ♂ but antennae 20-segmented!
Adelura [illegible] ♂, ant. 30
[illegible] 2 ♀, not [illegible]
[illegible] ♂, not [illegible]
[illegible] 4 = A. [illegible] ♀, ant. 21.
A. [illegible] ? ♀, [illegible] 21 [illegible]
A. cf. [illegible] ? ♂, ant. 20.
A. (Synaldis) cf. [illegible] ? [illegible] ant. 20.

28. 6. 1944, contd. Luzon, Co. DU, contd.

Taken at ?, contd.

Eremnus [illegible] ♂♂ & ♀♀ abundant, not ntd.

D. [illegible] 1 ♂, not ntd

D. [illegible] 1 ♀, ant. 21.

D. [illegible] ♀ ant 21, [illegible]

D. [illegible], large, ♂, ant 28, [illegible]

D. [illegible] ♀, [illegible], ant. 30

Taeniogaster? ♂, ant. 13, very small

Praon [illegible] 2 ♂♂ not ntd.

Ephedrus [illegible] ♂ not ntd.

Aphidius sp. frequent. 3 mounted ♂

A. [illegible]? ♂ (badly eaten by Psocid?) ant 21, ♀, ant. 16.

A. sp. [illegible] 1 minute ♀, ant. 14

Protos 6

Chalcids 3 (None ntd

Cynipid 3.)

Diplazon 1 ♂ 1 ♀ of yellow [illegible] of [illegible]

28. 6. 1944, contd. Luzon, DU, contd.

Taken at 3. [38 mounted from 2 & three labelled 18. 2. 1948.]

[illegible] [illegible] ♀

[illegible] sp. [illegible] ♂, ant 36. [illegible] ♂ ♀ [illegible]

Bracon [illegible] ♂, [illegible], ant 27

[illegible] ♂, ant 36 [illegible]

[illegible] ♂ ♀

[illegible] 7 [illegible] ♂, ant. 26;

[illegible] ♂ ant. 16 [illegible] ♀ ant. 22.

[illegible] ♀ ♂ ant. 20. [illegible] ♀ ♂ ant. 21

[illegible] ♀ [illegible], ant. 19

Bracon [illegible] ♂. not mounted.

[illegible] ♀ [illegible] ♂, ant. 20; black [illegible]

[illegible] 2 [illegible] mounted [illegible]?, ant 26.

[illegible] 2 ♂ 1 not ntd.

Bracon [illegible] ♂, ant. 38

Lysiphlebus [illegible] ♂♂ [illegible] ant 18 [illegible] 1 ♀ ant. 23 [illegible] ntd.

Euphorus [illegible] 1 not ntd.

E. [illegible] 1, ant 16. [illegible] ♀, [illegible]

Microctonus [illegible] ♀, ant 22.

Opius [illegible] Hal. ♀, ant. 20.

O. elongatus [illegible] ♂ [illegible]

28.6.44, cont. Lucan, D.D., cont.
Tabanidae, cont.

[illegible] ♂, not std.

[illegible] sp. 4 including 2 [illegible]

A. [illegible] ♂, cat. 19.

A. [illegible], small ♀, with cat. 30, no antennae.

A. ([illegible]) [illegible] ♀, cat. 15, with [illegible] wing.

{♂ cat. 35 labelled [illegible] 1947; 2♀♀ labelled 19.2.1947 cat. 31 & 36

D[illegible] 3 ♀♀ : 1 ♂

2. {[illegible]} ♂ cat. 29 (labelled 9.12.1944.)

2. {♀ [illegible]} ♀, ant. broken (labelled 16.2.47), and [illegible] at base!

2. [illegible] — 7 (6♂♂, 1♀).

T[illegible] [illegible]: 2♀♀ (damaged) + 1 ♂, already [illegible] these species, but antennae of both ♀♀ eaten off by Psocid (the stone!)

[illegible] spp. 16: 5 std. = [illegible] of [illegible] {2♂♂ (cat. 17, broken [illegible]), 1♀ (cat. 13).

A. rifus: 1♀, cat. 15.

A. [illegible]: 1♂, cat. 21, 1♀, cat. 18, [illegible] species!

A. of [illegible] 1♀, cat. 18.

A. small ♂, blackish legs & antennae, latter broken!

[illegible] sp.: 2 not std.

[illegible] 7: 1 mounted =

[illegible] 3. not std.

Red [illegible] of [illegible] = {[illegible] [illegible] 1.

[illegible] cat. 14-49

28.6.44, cont. Lucan, D.D., cont.
Tabanidae 3.

[illegible] 2: 1 not std.

[illegible] 1♀, cat. 35.

[illegible] [illegible] ♀, cat. 33 ([illegible] found!)

[illegible] 1♀: cat. 34.

[illegible] 8 ♀♀ std. {[illegible] 2♂♂ 1♀. / [illegible] not std.

[illegible] ♂♂ [illegible], not mounted

[illegible], not ♂ [illegible] std.

[illegible] 2♂♂ = A. of the smaller, cat. 27.

A. of [illegible] smaller cat. 24. A. of [illegible] cat. 16.

[illegible] 4♂♂; not std.

[illegible] spp. 6: 1 mounted = [illegible]: 1♀, cat. 15.

[illegible] 1 not std.

[illegible] 2: both mounted =

[illegible] 1: not std.

259

25.6.44, cont. Lucan, Dl., cont.

Taken at 4. [illegible] 21.6.1947.]

[illegible], [illegible] ♂, ant. 22

[illegible] ♀, ant. 19.

[illegible] ♂, ant. 24.

[illegible] ♂, ant. 27 [illegible]

[illegible] ♂, ant. 35. [illegible]

[illegible] 1 [illegible]

[illegible]? [illegible]

[illegible], ♂ }

[illegible] ♂, ant. 29.

[illegible] 6 ♂♂, ♀, all [illegible] ant.

[illegible] 2 ♂♂, ant. [illegible]

[illegible] ♀♀. ant. 18.

[illegible] ♂. ant. [illegible]

[illegible] ♂. ant. [illegible].

[illegible] 1, ant. 22, [illegible]

[illegible] ♂ ant. 30.

[illegible] ♀ [illegible] ant. 20.

[illegible] ♂, [illegible] ant. 34.!!

A. [illegible] a nice ♀, ant. 20.

260

25.6.44, cont. Lucan, Dl., cont.

Taken at 4, cont.

[illegible] cont; [illegible] ant. 22

[illegible] 1 nice ♀, ant. 24. [illegible] ♂, ant. 22 [illegible]

[illegible] ♂, ant 20, ♀ ant 18, both very small.

[illegible] 1 ♂, ant 17, [illegible], ant. 18

[illegible] ♀, [illegible]

[illegible] 15, [illegible] 27.

[illegible] ♀. [illegible]

[illegible] 2 [illegible] ♀♀

[illegible]

[illegible] 3: 2 [illegible]

[illegible] 2: [illegible]

29th June 1944.

When visiting Dr L. B. Smyth at Terenure, Dl., collected some stray Aphides off his Broad Beans

261.

6 July 1944. A wretched & disappointing day after a promising sunset in S.W. & [illegible] of 3 hrs on morning of 6th, but an east wind springing up at breakfast time, turning again with drizzle. Took 10.15 bus to the [illegible] & crossed ferry to the Island & began collecting in drizzle. Still rain from NE at 4.30 stopped collecting for the day. [illegible] at 2 brightened it for a time & throughout the day the vegetation was never quite dry & with the chilly east wind made sweeping very difficult.

The Island, Co. Dorset

1 = dunes from ferry along flat NNW of Tern colony to 1/2 mile N of this & on sheltered side of outer dunes. 11 till 12.45

2 = same but further N. & after lunch 1.15 to 2.0

3 = W. edge of peninsula along the estuary 2.30 till 4.0 when rain stopped collecting.

262

6.7.44, cont. The Island, Co. Dors, cont.

Tetrix at 1. [28 [illegible] from 1 & [illegible] 23.2.1947!]

[illegible] } none ntd.
[illegible] }
[illegible]
Amblyteles sp. ♂; not ntd.

Ichneumonidae 3. none ntd.

Cryptinae 5. none ntd.

Lissonota parallela 2♀♀ not ntd.
Mesochorus nigripes 2♂♂, 1♀, taken on 22, 22 & 22 respectively
Cremastus geminus 2♂♂. not ntd.
Campoplegidea 10 none ntd

Bracon concolor 2♂♂ not ntd.
B. [illegible] ♀, cat. 31.
B. sp. ♂ not ntd.

263

6.7.44, cont. The Island, DW, cont.

Taken at 1,

[illegible] [illegible] [illegible] Hol. ♂♂, 3 ♀♀ = [illegible] [illegible] [illegible]

[illegible] [illegible] 4 ♂♂, white [illegible] [illegible] 10 ♂ ntd.

[illegible] [illegible] ♂♂ common, 1 ♀ : 10 (at 27) 8 (32) ntd.

[illegible] [illegible] ♂ : not ntd.

[illegible] [illegible] ♀ not ntd.

[illegible] [illegible] 6 ♂♂, 5 ♀♀ . 1 ♀ 2 ♀♀ ntd. (at. 42, [illegible])

[illegible] [illegible] ♀, at. 12/13.

[illegible] [illegible] ! 6 ntd. = C. [illegible] ♀, at. 16

C. [illegible] [illegible] (= [illegible] Hol.) 2 [illegible] & 2 large ♀♀ (at. 16-17)

[illegible] possibly = C. [illegible]

C. [illegible] 1 ♀, at. 13 [illegible] [illegible] ♀ [illegible] [illegible].

[illegible] 1 : not ntd.

[illegible] [illegible], common : none ntd.

[illegible] 1 : not ntd.

[illegible] 2 [illegible] = [illegible] [illegible] (1)

& [illegible] [illegible] (2).

6.7.44 cont. The Island, DW, cont.

Taken at 2. [illegible] [illegible] from 2 [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible], [illegible] [illegible]?

[illegible] [illegible] [illegible] [illegible] [illegible].

[illegible] ♂, at. 33. [illegible] [illegible] [illegible] =

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] none ntd.

[illegible] [illegible] ♂ [illegible].

[illegible] ([illegible] [illegible]) 4 ♀♀ [illegible] ntd.

[illegible] [illegible] ♂, [illegible] [illegible], [illegible] [illegible], at. 31.

[illegible] ♀ [illegible] not ntd.

[illegible] [illegible] : none ntd.

[illegible] [illegible] ♀ (♂♂ & ♀♀) : none ntd.

B. [illegible] 1 ♀, [illegible] [illegible], at. 35 [illegible] [illegible] [illegible]

B. [illegible] 2 ♂♂, 1 ♀ [illegible] ntd, at. 36.

B. [illegible] [illegible] [illegible] [illegible], at. 36. B. [illegible] ♀ at. 33. [illegible]

[illegible] [illegible] ♂, at. 33. [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] ♂, at. 37

[illegible] [illegible] [illegible] : not ntd.

[illegible] ([illegible] [illegible]) 3 ♂♂, 1 ♀ = [illegible] [illegible] Hol. : none ntd.

[illegible] [illegible] ♂, at. 29.

264

6.7.[illegible], contd. The Island, DV, contd.

[illegible] net 2.

[illegible] rethrops ? 2 ♂♂, 1 ♀ : not std.

Diospilus capito ♀, net 24, post-petiole very swollen in centre!

Aspilota [illegible] ? ♂, net 16; dark var.

C. ([illegible]) [illegible] 1 ♂, net 18, head dark, [illegible]

[illegible] [illegible] 2 ♀♀

D. cyclops 1 ♀, net 23.

[illegible] [illegible] ♂♂, ♀ : not std.

[illegible] sp. ♂ : not std.

[illegible] 4 : not std.

Chalcids 15 : not std.

[illegible] 2 : not std.

6.7.[illegible], contd. The Island, DV, contd.

Trap net 3. [? mounted from 2 this, checked 25.?.1947!]

[illegible] ♂ very small.

[illegible] ♂♂, net 26

[illegible] ♀, net 33.

[illegible] ♂, not [illegible], net 20.

Stilpnus ♂, net 19.

[illegible] ? one tiny ♀, net only 19 segmented.

Homoporus [illegible] ♀, net 21

H. [illegible] ♂, net 22.

[illegible] ♀, many of [illegible] 1 & 2 : not std.

[illegible] ♀ & [illegible] ; the [illegible] of other two std.

[illegible] ♀, net 19. Angitia ruficeps ? ♀, net 26.

Bracon anthracinus ♀ : not std.

B. [illegible] 6 (♂♂ & ♀♀) : none std.

Rogas [illegible] testaceus ♂, net 47 {In 1928 in May or June, I found a [illegible] of [illegible] with the same locality, which I gave to R.M. Gwynn, which on 26.7.28 produced a similar Rogas! A.W.S. This is now in my collection}

Apanteles [illegible] ♂ : not std.

C. ♀, dark sp., white [illegible], long [illegible] = C. albipennis (Nees) Marshall ♀

Chelonus sp. ♂, net 29 the common sandhill species!

Spathius pallipes 1 ♀, net 23 {a curious place to get this species, hence I must consider the possibility that it came from Lucan on 28.6.[illegible] & was kept in [illegible] on (these) tubes by mistake! A.W.S. 1947.}

? [illegible] ♀, injured! antennae broken!

Diospilus capito 4 ♀♀, all rather small: 1 ♀ std., net 22

6.7.1944, cont. The Island, Co. Dublin, cont.

Taken at 2, cont.

Ephydra [illegible] [illegible] 5♂, not 22, [illegible] [illegible]

[illegible] [illegible] [illegible] at 29?

2 [illegible] [illegible] ♀

Coleoptera [illegible] 3♂♀

[illegible] [illegible] ? ♀, Blackish sp., not 17.

[illegible] ? ♀, [illegible] sp., not [illegible] [illegible] in store!

Psocids: 3 (two Sandhills & one Staphylinid — the last taken on stranded at H.W.M. All mounted!

Chalcids - 2 none sttd.

Cynipids 2: not sttd

Hemiptera 1 =

9th July 1944. George's 20th birthday! He is now a Pilot-Officer (on ground staff) of R.A.F. & now stationed in England.

A wretched day after a fine Saturday, heavy rain just after dawn & falling heavily till noon, & showery with fine intervals & bright [illegible], but not too bad & so after lunch [illegible] [illegible] to the Furry Glen, Phoenix Park, arriving about 2.30 & got in half-an-hour's sweeping before the storm broke & drenching rain came on, [illegible] home during a dry interval & was rewarded by fine sunny [illegible], so rest of afternoon continued wet & cold.

[56 insects mounted & these labelled on 26.2.1947.]

Furry Glen, Phoenix Park, Co. Dublin. 2.30–3.[illegible]

All swept along boundary wall, under trees, & round base of spring flowing into lower part of Furry Glen & W. of same, these often collected in previous years.

Arachn[illegible] —

[illegible] 2. 16, including [illegible] [illegible] [illegible] ([illegible])

[illegible] [illegible] ♀ 2, not 21.

[illegible] of [illegible] ? not [illegible] & ♀ not [illegible]

[illegible] [illegible] [illegible] ♀ not 3 =

[illegible] ♀ — [illegible] not 18

769.

9.7.44, cont. — Phoenix Park, Dub., cont.

[illegible] [illegible] ? 2 ♂♂, not std.

[illegible] [illegible] Thom. [illegible] ♀, [illegible], not. 30. [illegible]

[illegible] [illegible] 2 ♂♂ [illegible].

[illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] ♀, [illegible] [illegible], not 32, [illegible]

[illegible] [illegible] ♀, small, not. 24

[illegible] [illegible] ♀, not. 18, [illegible] [illegible]

[illegible] [illegible] sp. ? ♀, type, not 30, [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] ♀ not std. [illegible] [illegible] 1947.

Apanteles [illegible] 4 ♂♂. not std.

[illegible] [illegible] ? ♂, not 20.

[illegible] [illegible] ? 2 ♂♂, [illegible] [illegible] off flowers of lime

[illegible] [illegible] ♀ not std. — Opius [illegible] W. ♀, not. 22

Opius sp. near [illegible] 1 ♀, [illegible] [illegible], [illegible] small, [illegible]

[illegible] [illegible] ♂, not 26

[illegible] [illegible] ♂, not std.

[illegible] 11 ♂♂, 3 ♀♀, including [illegible] [illegible] ♀, not 22. [illegible] [illegible] not. 19. [illegible] [illegible] ? ♀, not 17, & ? ♂, not 21. [illegible] [illegible] ? small ♀, not [illegible]. [illegible] 2 small ♂♂, not. 26 & 27. [illegible] [illegible] not. both 23. [illegible] [illegible] ? [illegible] not [illegible]. [illegible] ? ♂ not. [illegible] 21. [illegible] ([illegible]) [illegible] 2 ♂♂, not 22 & 23. [illegible]

770

9.7.44, cont. — Phoenix Park, Dub., cont.

[illegible] [illegible] [illegible] 25 ([illegible] 28) not std.

D. [illegible] [illegible] ♀ not [illegible].

D. [illegible] ♀, not 24, [illegible] [illegible] [illegible]

D. [illegible] ♂ [illegible] not 18.

D. [illegible] [illegible] [illegible], not 22 — [illegible] [illegible] [illegible] [illegible]

D. [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] ? ♀, not 34.

[illegible] [illegible] ? ♂, not 41.

[illegible] [illegible] ♂ not std.

[illegible] 17 ♀ not std. =

G. [illegible] [illegible] [illegible] ♂, not 27

G. [illegible] [illegible] ♂, not 21, 2 ♀♀, not 17 & 21 ([illegible] [illegible]).

G. [illegible] [illegible] 2 ♂♂, not 18 & 19, ♀ not 17.

[illegible] ♀ not std.

[illegible] ♀ [illegible] std.

[illegible] ♀ [illegible] std.

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible]

271

11th July 1944. The first day for some time, in spite of strong NW wind, of no rain. Lovely [illegible]. [illegible] the evening at 6 p.m. a female of [illegible] [illegible] came through the N. window of my room in [illegible], i.e. within one day of first appearance (10th) in 1942, but nearly 3 weeks later (20th June) than in 1943.

12th July 1944. A very warm damp day, spoilt by the passing of a small rain storm about midday, with strong NE wind & dull weather after, a dull but fine night & morning, coming again full & [illegible] of wind and round from SE [illegible] collecting in open impossible [illegible] for the greater part of the day.

Left home on bike at 10 AM in [illegible] & rode to Louisa Bridge, Leixlip, on Royal Canal, reached plantation ½ mile west of Louisa Bridge about 11.30 & got in that direct [illegible] swept [illegible] from S-SW, nevertheless swept along tow path for about 200 yards W. of plantation. Then [illegible], swept [illegible] collected in plantation ([illegible]) [illegible] [illegible] [illegible] further collecting [illegible]. After the [illegible] cleared off tried collecting in [illegible] of

12.7.44, cont. R. Canal & Rye Water, KD., cont.
Large [illegible] of field between canal & Maynooth road, then rode back to Rye Water, where I swept the [illegible] & [illegible] [illegible] road & Rye Water & N. of canal. Left there about 5.30 & home at 6.55.

Royal Canal, KD.,

1 = Edge of tow path, W. of plantation, ½ mile W. of Louisa Bridge 11.30 – 12.30
2 = Inside walled plantation western 2/3 1.30 till 3.0]
3 = East end only of plantation, [illegible] poplar [illegible] }
4 = W. side of 3rd field between canal & road, ¼ mile W. of Louisa Bridge 3.30-4.30
5 = Slope from Louisa Bridge to Rye Water, N. of canal 4.30-5.30

General notes.

[illegible] & [illegible] ♂♀ seen.
Bombus sylvarum ♀ seen at 5 on flowers of Ononis; the first time I have seen sylvarum at this spot & usually it is ½ mile further west.
B. lucorum ♀
B. derhamellus ♀
Bethylus cephalotes. Several large ♂♀ swept at 1 on edge of canal.
Tenthredo arcuata common.

273.

12.7.44, cont   Royal Canal, KD, cont.

Taken at 1. [illegible]

[illegible] ♂ : not mntd.

[illegible] ♂ : not mtd.

[illegible] ♀ : not mtd.

[illegible]

[illegible]

[illegible] ♀

Tryphon [illegible] ? ♀, mt 35.

Homocidus [illegible] 3 ♂♂ : not mtd.

Polyblastus [illegible] ♂, [illegible], mt 29.

[illegible] ♂, damaged, [illegible] off.

Campoplegidae 11 [illegible] mtd. =

[illegible] ♀, mt 19.

[illegible] ♀, mt 30; [illegible]

B[illegible] ♂ ♀ : not mtd.

B [illegible] ♂, 2 ♀♀ : not mtd.

B. [illegible]

B. [illegible] ♀ : [illegible]

[illegible]

[illegible] minutus ? 2 ♀♀, mt 20 & 21; [illegible]

[illegible]

274.

12.7.44, cont   R. Canal, KD, cont.

Taken at 1, cont

[illegible] ♂ ♀, not mtd.

G. [illegible] ♂ ♀   G. [illegible] ♀.

[illegible]

Euphorus [illegible] 2.

Perilitus   3 [illegible] ♂♂, 2 [illegible] ♀♀ : 2 ♂♂, 1 ♀ mtd. =

Blacus [illegible] ♂ : not mtd.   Perilitus   ♂, mt 18

Opius [illegible] ♂, not mtd   P.   ♂, mt. 28 or 22

Pentapleura pumilio ♀ (not mtd)   P.   ♀, mt. 23.

Aspilota [illegible] ♀, mt 20.

A. [illegible] ♀, mt 16

A. [illegible] ♀; very [illegible] specimen, mt 18.

A. (Synaldis) [illegible] ♂ (not mtd)

Dacnusa areolaris ♂♂ & ♀♀ frequent : not mtd.

D. [illegible] ♂.

D. [illegible] ♀   } none mtd.

D. [illegible] ♀.

[illegible] ♂, mt 42

Praon volucre 4 (♂♂ & ♀♀) ; not mtd.

Trioxys [illegible] 3 ♀♀ ; mt. all 11.

Monoctonus nervosus ? 3 ♂♂ (frequent), small. 2 mounted mt. 16 & 16/17.

Aphidius spp. 15 : none mtd.

275

12.7.44, cont. Royal Canal, K.D., cont.

[illegible]: 4: 3 mtd. =

[illegible] 10 ♂ males, but very abundant: none mtd.

[illegible] 7; none mtd.

Taken at 2. [47 mounted from 2 & these labelled 4.3.1947.]
[illegible] 20 ♂♂, 1 ♀: the ♀ = [illegible] (10 ♂ mtd.) =
= [illegible] v. [illegible])
[illegible]: small ♀ = [illegible] fide [illegible].
[illegible] ♀ + ♂: not mtd.
[illegible] ♀, mtd 28, 29 & 29.
[illegible] ♀, mtd 33 =
[illegible] ♂ & ♀ not mtd.

[illegible] 19: 4 mounted only =
[illegible] ♂ [illegible], mtd 19
P. ♂, [illegible], mtd 25

276

12.7.44, cont. R. Canal, K.D., cont.
Taken at 2, cont.
[illegible] ♀, mtd. 30.
R. ♀, very small, mtd 17: very, very black.

[illegible] 3 ♂♂ of [illegible]: none mtd.

[illegible] the first ♀ of season: not mtd.
[illegible] 2: 1 mounted = ♂, mtd 31.
[illegible] & [illegible] (2 ♂♂ of each): neither mtd.
[illegible] sp. 1 ♂, mtd 33
[illegible] 3: 2 spp = [illegible] 2 ♂♂, mtd 30 & 34
S. ♀, mtd 37
[illegible] 1 black ♀, mtd 32 =
[illegible] 4; none mtd.

[illegible] 40 ♂♂ 2 ♀♀: not mtd.
[illegible] 13: not mtd.

[illegible] ♀: not mtd.
[illegible] ♀. not mtd.
[illegible] sp. ♀, mtd 19 ([illegible] Thomas ?)

12.7.44, cont.   R. Canal, KD, cont.

Taken at 2, cont

[illegible] nigripedes 1♀, not [illegible]

[illegible] (Bertholdia) [illegible] 4♂♂, 1♀, [illegible]

Opius celsus Hal. 1 rather small ♂, ant. 32.

Pentapleura pumilio 2♀♀ ant. 21.

Alloea contracta 1♀ not mtd.

Orthostigma   2♂♂

Phaenocarpa [illegible] ♀ not mtd.

Ph. rufipes ♂ : not mtd.

Aspilota spp. 14. all mtd. → see opposite page → —— →

Dacnusa areolaris [illegible] : a perfect pair [illegible] of both sexes [illegible] D. [illegible] of [illegible]

D. ? pubescens 2♂♂, 1♀ not mtd.

D. elegantula ♀, ant. 27.

D. [illegible] ♀, ant. 24

D. [illegible] ♀; small [illegible], ant. 21

D. sp. ? ♀ ant. 31. see opposite!

[illegible] 2♀♀

Ephedrus [illegible] & validus 1♀ each, both mounted.

Aphidius spp. abundant: about 70 — [illegible], only 1♀ mounted of A. urbanus, ant. 18.

12.7.44, cont.   R. Canal, KD, cont.

Taken at 2, cont.

Proctos. 15. 5 mtd. =

Cynipoid. 7. 1 (Eucoilinae) only mtd. =

Chalcids 14. none mtd.

Aspilota spp.

Aspilota (Orthostigma) [illegible] ♀, ant. 18. A. [illegible] ♀, ant. 28+, damaged.

A. minutissima ♀, ant. 16. A. [illegible] ♀, ant. 20.

A. sp. [illegible] ♂, ant. 24. A. sp. [illegible] 1 small ♂, ant. 20.

A. ruficornis [illegible] 2♀♀, both ant. 16. A. [illegible] 1♀, ant. 19.

A. [illegible] [illegible]; [illegible] ♀, ant. 18. A. (Synaldis) sp. ♂, ant. 23

A. (Synaldis) cf. [illegible] ♀, ant. 17. A. (S.) sp. [illegible] ♀, ant. 17.

Beetle : [illegible]   [illegible]

Taken at 3. [only 11 mounted from 28 then labelled 7.3.1947]

[illegible] ♂.

[illegible] sp. 6♀♀ 3 mounted, [illegible]

[illegible] [illegible] 3♂♂; not mtd.

[illegible] 1 mtd. = [illegible]   [illegible]

[illegible] [illegible], ant. 25.

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17.7.44, cont. R. Canal, KD., cont.

Taken at 3, cont.

[illegible] tricolor ♂: not mtd.

[illegible] 3: now mtd.

[illegible] ♂: not mtd.

Colastes [illegible] ♀: not mtd.

[illegible] ♂ & ♀: not mtd.

[illegible] 2: not mtd.

[illegible] ♀: not mtd.

[illegible] 10♂ = 4 [illegible] mtd, cat 18; remainder not worth [illegible].

[illegible] now mtd.

D. [illegible] ♀, cat 28

[illegible] 1 ♂: cat. eaten off by [illegible] in store. =

[illegible] 2♂♀: not mtd.

[illegible] 4: 3 mtd. =

[illegible]: not mtd

280

17.7.44, cont. R. Canal, KD., cont.

Taken at 4 (ie side of [illegible] field). [[illegible] 1944.]

[illegible] 2♂♀: not mtd

[illegible] 11: 2♂, 4 mtd. = [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible]

[illegible] ♂ cat 23, [illegible] =

[illegible] [illegible]: not mtd.

[illegible] ♂: not mtd. [illegible] ♀: not mtd.

[illegible] 2♂, [illegible], cat 23.

[illegible] [illegible] ♂: not mtd.

[illegible] [illegible]: not mtd.

[illegible] [illegible] 2 ♂, [illegible], cat 25; [illegible]

[illegible] [illegible] ♀, cat. 25

[illegible] ♀ [illegible]: not mtd.

[illegible] 13: now mtd.

[illegible] 2♂♀: not mtd

[illegible] 2♂, cat 24 =

[illegible] [illegible] ♂, cat 14.

12. 7. 44, cont. R. Canal, KD, cont.

Taken at [illegible], cont.

[illegible] ♂ [illegible] 24 [illegible]

[illegible] ♀, ant. 25.

[illegible] ♂ [illegible]

[illegible] ♀.

A. [illegible] ♂ [illegible]

[illegible] ♀ ant. 22

[illegible] 10 : not mtd.

[illegible] ♂ 2 ♀♀.

B. [illegible] ? ♂.

B. [illegible] ♀. } none mtd.

[illegible] ♀.

[illegible] Wesm. ♀, ant. 21.

[illegible] ♀.

[illegible] ♂, 3 ♀♀. } none mtd.

[illegible] 2 ♂♂

[illegible] spp. ♀, small : all mounted =

A. [illegible] ? ant. 24.
A. of [illegible] [illegible], ant. 22.
A. [illegible] ♀, ant. 16.
A. [illegible] ant. 15.
A. [illegible] ♂, ant. 19.
A. [illegible] ♂ ant. 18.
A. (S[illegible]) [illegible] ♀, ant. 12.
A. (S.) [illegible] ♂, ant. 20.
A. [illegible] ? small ♀ ant. 17.

[illegible] frequent, mostly ♂♂ : not mtd.

D. sp. 11. ♂, ant. 33, [illegible], [illegible] 41.

[illegible] 1 : not mtd.

[illegible] spp. [illegible]) : not mtd.

12. 7. 44, cont. R. Canal, KD, cont.

Taken at [illegible], cont.

[illegible] 2 [illegible]

[illegible] =

Chalcids [illegible] ; 3 mtd = [illegible]

Cynipids. "Figites" group [illegible] ; none mtd.

---

12. 7. 44, cont. Rye [illegible], KD.

(i.e. station No 5 !) [13 mounted from 5 & these [illegible] 10.3.47.]

[illegible] 2 ♂♂ [illegible]

[illegible] 1 2 ♂♂ : not mtd.

[illegible] 16 (mostly ♂♂) 2 only mounted > { [illegible] ♀, ant. [illegible] / [illegible] 23 = }

[illegible] ♂, ♀, [illegible] ant. [illegible] 25.

[illegible] ♀, ant. 25.

[illegible] ♂ } none mtd

[illegible] ♂.

12 7 1949, cont. Rye Water, KD, cont.

Taken at 3. cont.

[illegible] [illegible] ♂, not atd.

B. [illegible] ♂, 2 ♀♀, not [illegible], [illegible] not atd.

B. [illegible] ♀, not sk. of B. [illegible] [illegible]

B. [illegible] ♂, not 33.

[illegible] falcata ♀, not atd.

[illegible] [illegible] 1 not atd.

Opius [illegible] ♂. not atd.

O. [illegible] [illegible] ♂, not 33.

[illegible] [illegible] ♀. not atd.

[illegible] [illegible] [illegible] [illegible] not atd.

D. [illegible] ♀. not atd.

[illegible] [illegible] ♂, not 42. [illegible] [illegible] ♀, not 34.

[illegible] [illegible] ♀. not atd.

Aphidius ♀♀ 2

Proctos ♀ not atd.

[illegible] 3. not atd.

[illegible] [illegible] spp. =

15th July 1949. A fine day, [illegible] in [illegible], [illegible] in afternoon & evening, [illegible] [illegible] [illegible]. [illegible] Saturday! In afternoon went to Grand Canal at Clondalkin, Co. Dublin & collected in two places, as follows: —

1 = reed bed on S. side of canal just [illegible] [illegible] lock W. of Clondalkin.

2 = not [illegible], [illegible], S. of canal just W. of [illegible], [illegible] just ½ mile W. of station 1.

Grand Canal, W. of Clondalkin, Co. DU.

Taken at 1. [13 mounted from 2 tins labelled [illegible] [illegible] on 11. 3. 1947.]

[illegible] [illegible] [illegible] not atd.

2 Sawflies = Tenthredella colon ♂ & [illegible] [illegible] ♀

[illegible] ♂. not atd.

[illegible] 3 ♂♂. not atd.

Hadrodactylus ♂, not 46.

[illegible] [illegible] [illegible] [illegible] ♀, [illegible] atd.

[illegible] ♀ not atd.

[illegible] ♂. not atd.

15.7.44, cont. [illegible], DU, cont.

Taken at 1, cont.

Bracon [illegible] 2 ♂♂, ant. 36 & 37. {near B. [illegible] ; 3 ♂♂ taken at [illegible] on 29.6.41 & 3.7.41!

Br. [illegible] group ♂, ant. 27.

Apanteles [illegible] group 1 ♂

A. [illegible] sp. 1 ♂.

[illegible] ♀, ant. 20, [illegible]

[illegible] ant. 21, [illegible]

[illegible] pallipes [illegible] 3 : 2 mtd. ant. [illegible] (♀♀ [illegible]).

[illegible] sp. ♂ not mtd.

[illegible] ♀ : not mtd.

[illegible] ♀ : not mtd.

O. [illegible] ♂, ant. 28, [illegible] not [illegible]!

[illegible] ♂ not mtd.

Alloea [illegible] ♀ : not mtd.

[illegible] group ♂♂ & ♀♀ [illegible] : none mtd.

D. [illegible] ♀ & D. [illegible] ♀♀ : none mtd.

D. [illegible] & D. [illegible] : none mtd.

D. sp. ? ♀, ant. 26, [illegible] group.

[illegible] ♂, ant. 21. [illegible] : none mtd.

[illegible] !
[illegible] ! } none mtd.
[illegible] !

15.7.44 cont. [illegible], DU.

Taken at 2. [25 [illegible] from 2 & then labelled 12.3.1947.]

[illegible] ♂ : not mtd.

[illegible] (not 1) 22 : none mtd.

[illegible] 10 only 1 mtd. = [illegible] ♂ ant. 22

[illegible] 2 ♂♂ 1 mtd = [illegible] ant. 22

Mesoleptus ? sp. 3 ♂♂ 1 mtd. = M. [illegible] Grav. ♂, ant. 39.

Homocidus [illegible] ♂, ant. 24.

Bassus tricinctus ♀
[illegible] ♀
[illegible] 7
Helictes ♂
} none mtd.

Orthopelma [illegible] ♀, ant. 23, [illegible]!

Rhyssa irregularis 2 ♂♂ : not mtd.

R. [illegible] ♂, ant 102 : cf. [illegible]!

Apanteles sp. 15 : 2 mtd. = A. [illegible] ♂ ♀

A. sp. ? ♂.

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15.7.1944, cont. Clondalkin, Dub, cont.
Taken at 8, cont.
Microplitis [illegible] ♂.
[illegible] pallipes ♂, ent. 32.
Opius exilis Hal. 4 ♀♀, ent. 26(1)-27(3).

Pentapleura pumilio 28 ♂, 1 ♀, ent. [illegible]
Aspilota spp. 5, [illegible] & semicompressa 2♀♀, ent. [illegible], very rare!
A. nigricornis 1 very minute ♀, ent. 16.
A. fuscicornis 1 minute ♂, ent. 16.

Dacnusa [illegible], [illegible] & [illegible]
& [illegible] ; D. [illegible] {[illegible]}
D. (Liposcia) discolor ♀, ent. 24.
D. [illegible] very rare ♀, ent. 27

[illegible]
♀
[illegible] ♂, ent. 61.
[illegible] ♀.
Aphidius spp. [illegible] 5

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15.7.44, cont. Clondalkin, Dub, cont.
Taken at 8, cont.
Proctos 10: none ent.

Chalcids 2: 1 [illegible], [illegible] = Stenomesius [illegible] ♂.

Cynipids 2: not ent.
Diplazon [illegible] ♀.

A ♀ Microplitis [illegible], taken in garden, [illegible] Rd., Harold's Cross, Dublin, on 16.7.1944! A.W.S.

19th July. [illegible] a very fine day, [illegible] strong wind, [illegible] off shore (SE–E) wind. [illegible] to Rogerstown & walked on to N end of [illegible] sandhills — now partially destroyed by golf [illegible] & other [illegible] [illegible]. Collected from near [illegible] 1 P.M. [illegible] from 1.30 till 2.30 P.M. & [illegible] Skerries at 4.20 (at Rogerstown at 4.40!).
1st Sandhills & hollows for 100 yards [illegible] E. of [illegible] at Rogerstown [illegible]
2nd Sandhills & hollows [illegible] E of station. 1.30 till 3.30 P.M.
All Hymenoptera very rare!

Taken at 1. (cont. [illegible] 15.2.1947)

19.7.[illegible] cont. Rogerstown, C. DU, cont.

Cerlata [illegible], ♀♀ frequently [illegible]

[illegible] epidermis numerous [illegible]

a [illegible] terminalis ♀♀ [illegible] [illegible]

Crabro [illegible] frequent.

[illegible] ♀ on [illegible]

[illegible] ♂, [illegible] of [illegible] ♀.

=

Protostrophus [illegible] ♀♀ on [illegible]

Melanichneumon [illegible] ♀, ant. 39.

[illegible] of 1♂, 3♀♀ (1♂, ♀ mtd.) = {a. ♂, ant. 43. / a. ♀, [illegible]

Cryptinae (1♂ 1♀) ♀ only mounted = [illegible] ♀ ant. 19.

Lissonota cylindrator ♀ on [illegible], ant. 36.

Glypta [illegible] ♂, ant. 29.

Pristomerus [illegible] 1♂ on leaves of [illegible], ant. 35.

Campoplex [illegible] ♀, [illegible] ant. 46, [illegible]

[illegible] ♂, ant. 26. [illegible] 29.7.43.

Campoplegidea ♀, not mtd.

Bracon sp.? ♂ small, ant. 22, [illegible]

Br. [illegible]? ♂, ant. 31. B. [illegible] ♂, ant. 34.

[illegible] ♂, not mtd.

19.7.[illegible] cont. Rogerstown, DU, cont.

Taken at 1, cont. {[illegible], ant. 21}

[illegible] 2♂♂, 1♀. {[illegible], ant. 22.

Perilitus [illegible]? 4♂♂, 1♀, not mtd.

Dacnusa [illegible] group: small ♂, ant. 20, [illegible]

D. [illegible]? 1♂, 3♀♀.

D. [illegible] ♂, ant. 22.

Coelinius sp.? 1♂, ant. 42, [illegible]

Aphidius [illegible]? ♀.

Proctos & small Chalcids numerous.

Taken at 2. ([illegible] mounted [illegible] 1.3.1947)

Anthon ♂ & ♀ =

Colpognathus ♀, not mtd.

Cryptinae 17 (8 mounted) [illegible], [illegible]

[illegible] ♀ & [illegible] = ? ant. 20. [illegible] ant. 25 & 26

[illegible]? sp. [illegible] ant. 25 & 26. [illegible]? {[illegible]}

Leptocryptus sp. ♂, ant. 25.

19.7.46, cont. Rogerstown, Du., cont.

Taken at 3, cont.

[illegible]

[illegible] [illegible] : 1 [illegible] of [illegible] [illegible] [illegible].

[illegible] of ♂, cat 25, [illegible] [illegible] [illegible]

[illegible] [illegible] and [illegible] [illegible] [illegible]

[illegible] ♂ : not std.

[illegible] [illegible] ♂ + 2♀♀ : [illegible], cat. 22.

[illegible] [illegible] ♂, cat. 22, [illegible] [illegible] [illegible]

[illegible] : ♂ cat. 22.

[illegible] [illegible] [illegible] ♂ + ♀♀ : [illegible] [illegible]

A. [illegible] ♂♂ + 3♀♀ : [illegible] std.

[illegible] [illegible] ♂ : not std.

[illegible] ♂ : not std.

[illegible] [illegible] 1, apparently the [illegible] [illegible] [illegible]

[illegible] [illegible] 15 ♂♂, 4♀♀ : none std.

Diapria [illegible] : ♀, cat 21, [illegible] small.

[illegible] 3 = [illegible] 2♀♀. [illegible] are very small (antennae 12-25); the third a larger [illegible] (from [illegible] Rocheft, 1943) with 27-seg. antennae!

[illegible] [illegible] [illegible] ♀, cat. 20.

19.7.46, cont. Rogerstown, Du., cont.

Taken at 2, cont.

[illegible] of [illegible] ♀ [illegible] [illegible] [illegible]

[illegible] [illegible] ♂♂ + 2♀♀ : [illegible]. = {D. [illegible] [illegible] ♀, cat 22 / D. [illegible] [illegible] cat. 21 =}

D. [illegible] ♂ + ♂♂, [illegible] — cat. 21 [illegible], [illegible] cat. 20.

D. innana Nixon 1♀, cat. 21 = [illegible] Nixon?

D. ([illegible]) [illegible] [illegible] : [illegible] ♀, cat. 22.

D. [illegible] [illegible] ♂, cat. 21.

[illegible] [illegible] [illegible] 3♀♀ ; the [illegible], cat. 20 & 22.

[illegible] [illegible] 3♀♀, cat. 21.

C. [illegible] [illegible] + [illegible] [illegible], [illegible] cat. 16

[illegible]

[illegible] : 6 none std.

Chalcids [illegible] [illegible] [illegible] std.

=

Diptera 2 = [illegible] [illegible] 2

20th July 1944. [illegible] [illegible] [illegible] of [illegible] [illegible] [illegible] a batch of [illegible] in [illegible] [illegible] — apparently [illegible] [illegible] [illegible] [illegible] seen in the previous years — 1940 & 1942

21-22. 7. 44. Several more [illegible] seen at [illegible] spot!

23rd July 1944. Entirely dull, but warm fine day with no wind — just a gentle W breeze in morning, none in afternoon & a gentle E breeze in evening. Left home at 10 AM & rode to Rye Water arriving about noon, collected till 7 PM & left Louisa Bridge at 7.10 & home at 8.30.

Collected in six places as follows.

1. On left bank of Rye Water just above aqueduct & a few on edge of canal on aqueduct. 12.15 – 1.15 PM
2. Right bank of Rye Water from well to ruin & in next field up stream. 2 till 3.15 PM.
3. Bank of Royal Canal & the field just W of walled plantation ½ mile W of Louisa Bridge 3.30 – 4 PM
4 Inside walled plantation 4.30 – 6 PM
5 W side of 3rd field W of Louisa Br. & between canal & Maynooth Rd. 6 – 6.30 PM.
6 S side & SW corner of 2nd field W of Louisa Br. 6.30 – 7 PM.

23.7.44, cont. Rye Water, Kd.

Taken at 1. [[illegible] [illegible] [illegible] [illegible] of [illegible] [illegible] [illegible] 1947.]

[illegible] ♂ not rare.

[illegible] [illegible] ♂ very small

[illegible] [illegible] ♂ [illegible] not rare.

[illegible] ♀ ♂ not ab.

[illegible] [illegible] ♀ ♂ not ab.

[illegible] 22 (unmounted)

[illegible] ♀, not 22.

[illegible] ♂ [illegible] [illegible] [illegible] [illegible], not 23

[illegible] ♂ & ♀, not [illegible] 36

[illegible] ♂, not ab.

[illegible] ♀, not 18

[illegible] ♀, not 23

[illegible] ♂, not ab.

[illegible] ♀ & not ab.

[illegible] ♂, not [illegible]

[illegible] ♂ } not ab.
[illegible] ♀ }

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22. 1. [illegible], cont. — Royal Delta, K.D. cont.

Taken at 1, cont.

[illegible] [illegible] ♀

B. [illegible] ♂

Rajah [illegible] ♂, not taken | [illegible] old.

[illegible] [illegible] [illegible] ♂.

[illegible] [illegible] 1 ♀, ad. 24, [illegible], [illegible] [illegible] [illegible].

[illegible] [illegible] 1 [illegible], ad. 43

[illegible] of [illegible] ♂, ad. 37, [illegible], [illegible]

[illegible] [illegible] ♂, not std.

O. of [illegible] 1 ♂, ad. 46.

[illegible] [illegible] 2 ♀♀, not std.

[illegible] [illegible] [illegible] ♀, [illegible] [illegible], ad. [illegible] — [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] 2 [illegible], [illegible] ♂, ad. 49. [illegible] [illegible] ♀, ad. 46.

[illegible] [illegible] ♂, [illegible], [illegible] [illegible] [illegible], [illegible]

[illegible] [illegible] [illegible] 26 (♂♂ & ♀♀)

D. [illegible] ♂

D. [illegible] ♂ ♀ | [illegible] std.

D. [illegible] ♂

D. [illegible] ♂ ([illegible] [illegible] std.), ad. 28.

[illegible] [illegible] ♀. [illegible]

[illegible] [illegible] ♂, ad. 42.

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23. 1. [illegible], cont. — Royal Delta, K.D. [illegible].

Taken at 2, cont.

Passer [illegible] ♂.

P. [illegible] ♂ ♀.

[illegible] minor [illegible] ♀

[illegible] [illegible] [illegible] ♂.

[illegible] sp. 25, [illegible] 6 [illegible], 2 [illegible] [illegible] ([illegible] std.)

Rooks 13.

[illegible] 6.

[illegible] [illegible]

Taken at 3. (for those taken at 2 see p. 299 at top →)

[illegible] sp. 4 ♂♂, not std. Royal Canal, K.D.

[3 [illegible] from 32 [illegible] [illegible] [illegible]]

Pheasants 3 ♂♂, not std.

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K. Coast

23.7.44, cont. Ray Hale, K.D. cont.

Taken at 3, cont.

Cryptinae 10: 2 mtd =

Pygocryptus [illegible] ♂, ant 20 [illegible] [illegible] ♀, ant 21

Pimpla detrita conf. ♂, ant. 21 =

Glypta [illegible], 1 [illegible] 2 [illegible] ; not mtd.

Lissonota [illegible] ♂

Pimpla [illegible] 3♂

[illegible] 2♂♂ } none mtd.

[illegible] ♀

Homocidus pulchra 3♂♂.

H. [illegible] conf. ♂ = [illegible] ♂, ant. 21. ?

Mesochorus 3 ♀♀ } none mtd.
Campoplegini = 10.

Bracon anthracinus 2♂♂. not mtd.

B. [illegible] 4 ♂♀ : 1♀ mounted, ant. 29, large specimen.

B. [illegible] with all black head ♂ & ♀ : not mtd.

B. [illegible] ♂ } ant 31.
B.

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K. Coast.

23.7.44, cont. Ray Hale, K.D., cont.

Taken at 3 cont.

Exetastes ♂ = [illegible] [illegible] [illegible] 30 [illegible] 30 [illegible]

[illegible] conf. 3 ; not mtd.

[illegible] [illegible] ♀, a fine specimen [illegible]

Chelonus [illegible] ♂ ♀ very small, ant. 23, [illegible] [illegible]

[illegible] ♀ [illegible] [illegible] with nearly all black [illegible] [illegible]

ant. 43 [illegible] [illegible] [illegible]

[illegible] [illegible] ♂ [illegible] ant. [illegible]

Opius [illegible] Hal. [illegible] ant. 42

Alysia [illegible] ♀ ; not mtd.

Pentapleura pumilio ♀ very small, [illegible] ; not mtd.

Dacnusa S = [illegible] [illegible] very fine ♀, ant 19.

[illegible] [illegible] ♀, ant 20   G. [illegible] [illegible] ♂♀ ant [illegible] 22

G. [illegible] 1 small ♀, ant 17 ; & 1 still smaller ♂ [illegible] ant 19.

G. [illegible] [illegible] ♂ not taken. G. [illegible] ♂, ant 23

Dacnusa [illegible] conf. ♀ ; none mtd.

D. [illegible] ♀ ; not mtd.

D. [illegible] [illegible] , a fine ♀, [illegible] [illegible] [illegible]

[illegible] [illegible] 2♂♂ and [illegible] ; [illegible] small.

[illegible] [illegible] 2, 1♀ with [illegible] [illegible] ; not mtd.

[illegible] [illegible] ♀, ant. 11, very [illegible].

Mesochorus [illegible] Hal 3♂♂ : 1 mtd., ant 17.

R. Cont.

23. 7. [illegible], cont. Rye Hate, KD. cont.

Taken at 3, cont.

[illegible] — off. 21, [illegible], 22, etc.

= [illegible] ♀, [illegible] 16.

[illegible] ♀, [illegible]

Rutes 21

Phlebo 6 [illegible] etc.

[illegible] 3.

Taken at 2 Rye Hate, KD. [For the taken at 3 see p. 298 cont.]

[illegible] ♂ [illegible] [30 from 2 & these labelled as 2-3. (2+3)]

Phragmid ♂ [illegible]

[illegible] 13. [illegible] etc.

Taken at 2, cont.

23. 7. [illegible], cont. Rye Hate, KD. cont.

[illegible] ♂, [illegible] 22.

[illegible] 2 [illegible]

[illegible] 2 ♀♀ [illegible] 23

[illegible] etc.

[illegible] etc.

[illegible] ♀ [illegible] 23.

[illegible] 1 ♀ [illegible] etc.

[illegible] 3 [illegible] etc.

Bracon of [illegible] all ♂

B. of [illegible] ♀, [illegible] 22

B. [illegible] 2 ♀♀, [illegible] 26 + 28.

[illegible] ♂, [illegible] only 19.

[cf. ♀ [illegible] at [illegible] on [illegible] 15. 7. [illegible]]

[illegible] ♀, [illegible] 21.

[illegible] & [illegible] as follows: —

[illegible] ♂ [illegible]

[illegible] 10 ♂, 9 ♀♀, [illegible]

[illegible] 30 ♂, 1 ♀ ([illegible])

30 ♂♂ ([illegible] 22, 23 + 24) + 1 ♀ ([illegible] 24/25) [illegible].

Euphorus [illegible] 1 ♀, [illegible] 22

[illegible] ♂ [illegible] etc.

301

23.7 cont. Rz. Yeter, K.D. cont.

Taken at 3, cont.

Opomyza [illegible] ? 15, [illegible]

O. [illegible] 1 [illegible] at 21 [illegible] 16.8.1946.)

Calyptra tipulae ♀, ent 25

Phaonia [illegible] ♂ : not std.

Albanus [illegible] ♀ : not std.

Coprophila ♀♀ 2 = C. [illegible] not std.

C. ([illegible]) ♂ [illegible], ent 22

C. ([illegible]) ♂ [illegible], ent 23

Decemia [illegible] ♀, ent 20.

D. affinis ♀ : not std.

D. [illegible] 4 ♂♂ not std.

Cecidomyia [illegible] ♂, ent 43.

Sphaerocera [illegible], 1 small ♂ [illegible]

Tomosvaryella [illegible] ♀, ent 20 [illegible]

B[illegible] 3 : not std.

C[illegible] 5 : not std.

Proctos. 12 : 2 std.

Chalcid. 4 : [illegible] std.

302

23.7 cont. R. Canal, KD.

Taken at 22. [Re-mounted from [illegible] labelled 30.3.1961.]

Helicon[illegible] [illegible]

Anthomyia ♂ : [illegible] not std.

[illegible] ♂ : not std.

[illegible] ? ♀ [illegible] 5 ♀♀ : 1 std. ent 24.

[illegible] ♂ : not std.

[illegible] ♀ : not std.

[illegible] ♂ [illegible] : not std.

C[illegible] 26. 2 std. = ♀ ent 22 [illegible]

& [illegible] ♀, ent 18.

Purple [illegible]

[illegible] Panthera [illegible]

ent 36

Purple [illegible] ♀, ent 26

Hercostomus [illegible] 3 ♂♂.

H. [illegible]

H. [illegible] ♂

Rhamphomyia [illegible] ♂

R. [illegible] 2 ♂♂.

Bacca [illegible] 2 ♂♂

Platypalpus [illegible] ♀

were mounted!

Stenomicra [illegible] ♂, ent. 23

Mesochorus ♂, small : not std.

203

23.7.44, cont. R. Canal K.D., cont.

Taken at 4, cont.

[illegible] 15: 1♀ mtd. [illegible]

=

[illegible] ♀

Eristalis [illegible] 2♂♂, 8♀♀.

[illegible] 2♂♂.

[illegible] ♂ = [illegible] ♀ [illegible]

Oncodes [illegible] 2♀♀ not mtd.

[illegible] 5. 1♀ mtd. = [illegible] ♀

[illegible] 4 ([illegible])

Opius [illegible] 5♂♂, 4♀♀, ant. 30(4)-31(1); ♀ 22(1)-24(3).

O. [illegible] ♀ ([illegible])

Alloea contracta ♀: not mtd.

Orthostigma sp. 2♂♂, 1 mtd., ant. 19.

Aspilota spp. 15♂♂, 1♀: for list see opposite page →

Dacnusa [illegible] (1♀ [illegible])

D. [illegible] ♂, ant. [illegible] by Bonnet [illegible]!

D. [illegible] ♀, ant. 23 [illegible] (2) 17.9.44 (D.W.T. 24.7.44)

D. [illegible] ♀, ant 25 = D. [illegible], ♀, ant. 25.

23.7.44, cont R. Canal, K.D. cont.

Taken at 4, cont.

Aphidius [illegible] 3♂♂, at 11.

Praon [illegible] 6♂♂, of [illegible]: none mtd.

P. ? [illegible] 4♀♀, [illegible]

= of [illegible] Hal [illegible]

Monoctonus [illegible] ant. (17).

Aphidius [illegible] 18: none mtd.

Aspilota: see opposite page!
[illegible] ♂♂, 1♀ mounted.
= A. of [illegible] ♂ [illegible]
A. [illegible]: 2 [illegible] ant. 24, [illegible]!
A. of [illegible] ♂ [illegible]
A. of [illegible] ♂♂ [illegible]
A. of [illegible] ♂ [illegible]
A. of [illegible] 4 ♂♂ ant. 18, 15, 19 [illegible] all these [illegible]!
A. ([illegible]) of [illegible] ♂, ant. 20
A. (S.) of ? ♂, ant. 22.
=
A. (S.) of ? ♀, ant. 17.
=

Helorus sp. see top of p. 202, ante.

Proctos. 75: only 1 mtd. =

Chalcids 6: none mtd.

Cynipids 2: none mtd.

Sawflies 3♂♂, 1♀ taken on poplar [illegible] at E end of plantation: ♀ [illegible]

= ♂♂ (3 mtd) + 1♀ = [illegible]

♀ [illegible]: not mtd.

23. 7 [illegible] cont.   R. Canal K.D., cont.

Taken at S. [illegible] from S. & thus labelled [illegible] 1951.

[illegible] ♂; not std.   [illegible] armatus [illegible] ♂ [illegible]

[illegible] ♂ not std.

[illegible] ♂ not std.

[illegible] of ? 2♂♂ [illegible]; not [illegible] 23; [illegible]

narrow [illegible] in petiolum =

[illegible] 17 [illegible]

[illegible] = [illegible]? [illegible] ♀, not 16, [illegible]

[illegible] ♀, not [illegible] std.

[illegible] ♂ & ♂♂ [illegible] not std.

[illegible] ♂ & ♀ [illegible] 2♂♂, neither std.

[illegible] 2♂♂
H. [illegible] ♂
H. [illegible] ♀, not [illegible]   } none std.
[illegible] ♂

[illegible] 3 [illegible] = [illegible]   [illegible]

[illegible]   ♀, not 38

[illegible] ♂, not 19

---

23. 7 [illegible] cont.   R. Canal, K.D. cont.

Taken at S. cont.

Bracon [illegible] ♀: not std.

B. [illegible] 3 ♀♀: not std.

B. [illegible] ♂, black head, [illegible], not 39.

B. sp. [illegible] ♂, not 33.   B. sp. [illegible] ♂, not 25. ([illegible]?)

Apanteles 3. none std.

[illegible] of [illegible] ♀, small, dark, [illegible]

Chelonus [illegible] 1♂, not taken at 27 [illegible]

C. sp. [illegible] 2♂♂, not. 22 & 23.   C. sp. [illegible] 1♂, not. 24.

[illegible] 1 not std.

[illegible] of [illegible] 2♂♂ not std.

[illegible] ♂; not std.

Ophion ~~[illegible]~~ = [illegible] ! A.W.S. 22.4.1951. 1 poor ♀, not 31, [illegible], ♂

[illegible] & [illegible] ♂ [illegible], neither std.

[illegible] ♂: neither std.

[illegible] 6 = A. ([illegible]?) [illegible] ♂, not. 29.

A. [illegible] ♂ [illegible] 17 [illegible]

A.   ♂ not. [illegible] 30   A.   ♂ not. 32.

A. ([illegible])   ♀, not. 7.   A. (S.)   ♂, not 21.

[illegible] ♂, not 46.

[illegible] group 15 (2♂♂ & 5♀♀): none std.

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23.7.44, cont. R. Canal, KD., cont.

Tipula ♂ 5 cont.

R[illegible] volucris ♂

Cephalops spp 15.

Roots. 22.

Now mounted.

Chlorops 6.

Syrphidae 3.

Sawflies

Athalia lugens ♂

Black sp. = [illegible] pallescens ♀

Pachynematus [illegible] ♀.

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23.7.44, cont R. Canal, KD., cont.

Tipula ♂ 5. [Only 3 ntd. from 6 of those labelled 6.4.1947.]

[illegible] 3: 1 ntd. = [illegible] [illegible] ♀, ntd. 20.

[illegible] [illegible] ♀ not ntd.

[illegible] [illegible] ♀ ([illegible]) ant. 26. [no sign of [illegible] labelled 6.4.47.]

Bracon fulvipes ♀ ant 24; [illegible]

B. [illegible] ? ♂, ant. 25 (or var. of fulvipes)

[illegible] ♀, [illegible], ant 25 ?

[illegible] [illegible] ♀ not ntd.

Blacus [illegible] ♀ 1 ♂, [illegible] the only Blacus [illegible] during the day, ant. 20.

Opius [illegible] ♀ (♂), ant 25, [illegible] [illegible]!!

Dacnusa [illegible]; ♂♂♀ not ntd.

[illegible] [illegible] 2 ♂♂, ant. [illegible] 44

R[illegible] volucris 4 ♂ + 1 ♀ of [illegible] var. [illegible] p. 304.

Aphidius spp. ♀ not ntd. — not ntd. = [illegible] Hal. ?

Roots 8 not ntd.

Chloropid 1, not ntd.

29th July 1944. A very [illegible] day, with [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. At 5.30 P.M. [illegible] [illegible] the [illegible] of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ♂♂ [illegible].

30th July 1944. A warm [illegible] [illegible] day, with [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] that after [illegible] [illegible] 29th [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] spots. Few flies [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

Rode (bicycle) to Royal Canal, W. of Louisa Br., Co. KD. Left home at 10.15, arrived at canal 11.45 & left there at 5.5 & home at 6.20.

Caught in the following places: —

30-7-44, cont. Royal Canal, KD.

1 = W. edge of Mr Mitchell's plantation, ½ mile W. of Louisa Br. 12 noon – 1 P.M.

2 = Edge of canal, outside wall of plantation & for 100 yard W. of same. 1.30–2.30 P.M.

3 = E. half inside wall of plantation. 2.30–3.30 P.M.

4 = Same as 2, but also along canal E. of plantation. 3.30–4 P.M.

5 = Field between canal & Maynooth road W. of Mr Mitchell's farm 4.15–5 P.M.

Royal Canal, KD, cont.

Taken at 2. [72 mounted from 1 & those labelled 9-10-11/4/1947 1945]

[illegible] 2♂♂ 1♀. all these at 2.

[illegible] [illegible] ♂, ant. bitten off.

[illegible] [illegible] ♂ [illegible] [illegible].

[illegible] 10♂♂, 8♀♀ (1♂, 23♀ at 2.) = [illegible] [illegible] [illegible]

[illegible] [illegible] 24♀, at 24 & 22 at 2) =

[illegible] [illegible] [illegible] [illegible].

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] of [illegible]

of [illegible] & [illegible] [illegible] 17♂♂, 23♀♀ of [illegible]

(including [illegible] [illegible], 2 [illegible] [illegible]), only mounted

[illegible] [illegible] [illegible] at 21. [illegible] [illegible] [illegible] at 7.

[illegible] [illegible] 4♀♀ (at 17-18), & 3♂♂ (at 22, 23 & 24)

[illegible] [illegible] 1♀, at 22. [illegible] [illegible] [illegible] [illegible] 4♀♀ at all 20.

[illegible] 2♀♀, at 18 & 19. [illegible] [illegible] [illegible] ♂, at 23.

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30.7.1944, cont. R. Canal, KD., cont.

Taken at 1, cont.

Pompilus sp. ? [illegible] 4 small + 1 larger ♀♀, not atd.

[illegible] ♀, ent. 36

Bracon [illegible] ♂ ; not atd.

[illegible] 6 ♂♀ ; not atd.

P. [illegible] ♂ ; not atd.

[illegible] 3 ♂♂ ; not atd.

H. [illegible] 2 ♂♂, ent. 22.

H. [illegible] ♀, red coxae, pale [illegible] scutellum, ent. 20.

[illegible] sp. [illegible] 1 ♀, ent. 25.

St. sp. ? near pallipes ♂, not taken at same [illegible]

[illegible] sp. [illegible] ♀, ent. 27; face black, [illegible]; [illegible]

[illegible] sp. [illegible] ; ent. 27.

[illegible] sp. ♀ ; ent. 40.

[illegible] ♂ = [illegible] ? ♀ ent. 23

[illegible] ; not atd.

[illegible] 2 ♂♂ not atd.

312.

Taken at 1, cont.

30.7.1944, cont. R. Canal, KD., cont.

[illegible] 2 ♀♀ : not atd.

[illegible] ♂ : not atd.

[illegible] 3 ♂♂, ent. 21, 31 + 32

same as taken here on 23.7.44 at 1 [illegible].

[illegible] 2 : not atd.

C. [illegible] 2 ♂ + 2, [illegible], yellow [illegible]

C. [illegible] 2 ♀♀

[illegible] 2.

[illegible] ♂ } not atd.

B. [illegible] ♂

[illegible] ([illegible]) [illegible] 3 ♂♂.

Opius [illegible] ♀ 5 ♂♂, ent. 28, 30, 31, 21 + 32.

Aphaereta [illegible] ♀ ; not atd.

Alloea contracta ♀ ; not atd.

Orthostigma sp. ? 20 ♂♀ ; 1 ent. here [illegible]

Aspilota sp. 17, [illegible] C. dentifemur ♀, large, ent. 21.

A. [illegible] ? 2 ♂♂, ent. [illegible] 22 [illegible]

[illegible] small ♂, ent. [illegible], [illegible], ent. 19 ; [illegible]

[illegible], [illegible] ♂ [illegible] ; ent. 22.

A. sp. [illegible] ♂, ent. 20+ ([illegible]) [illegible], ent. 16.

A. sp. [illegible] ? ♂, very large, [illegible]

30 7 44, cont.   R. Canal HD., cont.

Taken at 1, cont.   [illegible] [illegible] [illegible], at 16.

A. cf. [illegible] 20♂♂, at 12-19, [illegible] light 1.

A. (S. [illegible]) [illegible] 1 [illegible] ♀, at 15. A. (S.) [illegible] ♂, at [illegible]

A. (S.) cf. [illegible] [illegible], at [illegible]. A. (S.) [illegible] ♂, at 40

Dacnusa [illegible] about 40, [illegible] ♂♂

D. [illegible] 1 small ♂, at 24.

D. [illegible] [illegible], at 30+ (light)

[illegible] [illegible] off about 20 (very common!) 2 [illegible]

= ? [illegible] ♀, at [illegible] [illegible]

[illegible] [illegible] ♀, at 16.

[illegible] 2 1♂ [illegible], at [illegible]

R. cf. [illegible] 1♀ [illegible], at [illegible]

[illegible] ♀, at 20

[illegible] flagitator 30♂♂

[illegible] [illegible] ♂

M. [illegible] 2♂♀ [illegible]

[illegible] off by [illegible] (?) [illegible]

[illegible] about 20 ([illegible]) =

30 7 44, cont.   R. Canal HD., cont.

Taken at 1 cont.

Chalcids 16

Cynipids = (many seen!)

Beetles – 15 [illegible]   [illegible]

[illegible] seen in 23[illegible], but very common in [illegible]!

Taken at 2. [Shunted from 2 3 then [illegible] [illegible] [illegible]]

Culicoides ♀

Phygadeuon 2♂♂: not mounted

Cryptinae, 18, including 7 Pezomachus ♀♀: 8 mounted

Pezomachus ♀ 4 [illegible]. Pez. ♀ [illegible]

Pez.? ♀? ♂

Hemiteles ♀ ♀, at [illegible]

Pimpla detrita? ♀

Glypta [illegible] ♂ 1♀

Lissonota [illegible] ♀   [illegible]

Homoporus [illegible] ♂

H. [illegible] ♂

315.

30. 7. 44, cont. R. Canal, N.D., cont.

Taken at 2, cont.

Promethes [illegible] ♂.

P. [illegible] ♀.

Stenomacrus [illegible] ? [illegible] ♀, ant. [illegible]

St. [illegible] ♂ ant. broken

[illegible] ♂ & ♀

[illegible] ♂, ♀.

Bracon [illegible] ♀ ant. 19. & 2 other ♂♂ & 2 other ♀♀ [illegible]

B. [illegible] with 2 ♀♀ (ant. 28 & broken), [illegible] with [illegible]

B. ? [illegible] with ? ♀, ant. 30, [illegible] segments.

B. [illegible] ♀, ant. 32; [illegible]

B. [illegible] 2 ♂♂, ant. both 32

[illegible] spp. [illegible] = [illegible] ♂

[illegible] ♂

[illegible] not [illegible]

[illegible] ♂. Not [illegible].

[illegible] ♀, ant 21.

[illegible] , small ♂ [illegible]

[illegible] spp. 10 including [illegible] ♂ & ♀, ant. 18 & 15, respectively.

& [illegible] ♂, ant. 18.

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30. 7. 44, cont. R. Canal, N.D., cont.

Taken at 2, cont.

[illegible] [illegible] ♀, ant. [illegible] 16, [illegible] ♀ [illegible]
also [illegible] but not [illegible] ♀.

[illegible] spp. [illegible] ant. 21; [illegible], ant. 16; [illegible] ant. 15

[illegible] ? [illegible] ant. broken.

[illegible] ♀ [illegible] very [illegible].

D. [illegible] ♀, ant. 23, very small, [illegible]!

D. [illegible] a lovely little ♀ ant. 17. the first one of the species I have ever taken.

D. [illegible] ♀, ant. 33.

D. [illegible] (♀, ant. 20 + (broken [illegible])).

D. [illegible] ♀, ant. [illegible], [illegible] probably [illegible] of the species.

[illegible] ♀, ant. broken, [illegible] ♂

[illegible] ♂ ant. [illegible], [illegible] ♂

[illegible] spp. very abundant, [illegible] as follows: —

A. [illegible] ♀, ant. 20. A. [illegible] ([illegible] ?) ♀, ant. 17

A. [illegible] ♂, ant. 18? ([illegible]). A. [illegible] ♂, ant. 17.

[illegible] ♀ [illegible] & [illegible] ♀ [illegible], ant. 17-18

P. [illegible] ♀; ant. 17.

Ephedrus [illegible] ♂, ant. 11

E. [illegible] ♂ ant. 11

[illegible] ♂, ant. 20.

[illegible] ♀ & ♂, [illegible] ant. 17, [illegible]

[illegible] ♀, ant. [illegible] 11-12, [illegible]!

T. [illegible] ♀; ant. 11-12, 11th & 12th segments almost [illegible]!

30. 7. 44, cont. — R. Coast, N.D., cont.
Taken at 3, cont.

Bracon . 3♀: [illegible] Bracon [illegible] ♂,

Chalcids: 3 } [illegible]

Cyn. 7, 2, 4

Taken at 3. [30 minutes from 3 & three [illegible] 44 ♀ [illegible]]
Anthomy. ♀

Pteromalus [illegible] : ♀ : not std.

Dinocleon pusillus 4 ♀♀: not std.
Epitomus [illegible] 3: not std.
Phaenopria 5 ♀♀ seen & taken on 23. 7. 44: none std.

Eupelmid 24 (including 12 ♀♀ Pegomyia) 17 std. =
Pegomyia 9 ♀♀, ant. 18-20.
P. 3 ♀♀, ant. all 18.
P.? sp. 2 [illegible], brachypterous, ♂♂, ant. both 20.

30. 7. 44, cont. — R. Coast, N.D., cont.
Taken at 3, cont.

Hemiteles [illegible] 1 ♀, ant. 19; also [illegible] ♀? ant. 21
Hypsoter brachypterous ♀, ant. 16.

Pimpla of flavus 5 ♂♂ (two with [illegible]): none std.
P. [illegible] 1 large ♀: not std.
Mesoleius ♂, large, ant. broken =
Mesoleius ♂, small, ant. 32.
Alexeter ♂: not std.
Rhorus [illegible] 2 ♂♂, ♀: not std.
P. [illegible] 2 ♂♂, not std.
P. [illegible]? ♂, [illegible] ant. 32. Abnormal! A.W.S. 1947
Homocidus longiventris ♀, ant. 22; very fine specimen.
Bassus tricinctus ♂: not std.
Campoplegidea 6: none std.

Coelostes [illegible] 2 large ♀♀, ant. 35 & 30.
Aphidius [illegible] ? not std.
Blacus tripudians 2 ♂♂, not std.
Opius comatus 7: 4 ♂♂, 1 ♀ std.: ant. ♂ 30, 31, 31, 32; ♀ 32.
Sphaeropyx Cameronii? ♀, ant. 22; with long head & [illegible]
[illegible] legs [illegible] in 6 [illegible]; also [illegible]

30.7.44, cont. R. Canal, K.D., cont.

Taken at 3, cont.

Aspilota spp. ?sp + not mtd. = A. [illegible] ♂, cat. 24.
A. [illegible] 1♂, cat. 24. A. [illegible] ♀, cat. [illegible]
A. [illegible] ♀, cat. 16. A. sp. [illegible] ♂, cat. 21. A. sp. [illegible] ♀, [illegible]
A. [illegible] ♂, cat. 16, short antennae; also 1 [illegible] ♂, cat. 16, [illegible] Tab. 4.
A. sp. [illegible] 3♂♂, cat. 17, 18 & 18. A. sp. [illegible] 1♂, cat. 18
A. sp. [illegible] ♂, cat. 18, [illegible] not [illegible]. A. (Synaldis) sp. [illegible] cat. 20
Dacnusa [illegible] ♂ not mtd.
D. [illegible] profuse, about 30 (♂♂ & ♀♀): none mtd.
D. [illegible] ♂♂ 1♂, [illegible] short stigma & radial cell, but ? due to malformation of the wings.
D. [illegible] ♂: not mtd.

Aphidiinae spp. 7: none mtd

Praon volucre 6: none mtd.
P. abjectum? 2♂♂: not mounted
P. dorsale? ♀, cat. 21, [illegible] specimen
Ephedrus plagiator 1 [illegible] not mtd.
E. delectus sp. n. ♀, cat. 11, [illegible]. Type! D.W.S. 15.7.1947.
Trioxys sp. ♂ not mtd.
Monoctonus [illegible] ♂ not mtd.

30.7.44, cont. R. Canal, K.D., cont.

Taken at 3, cont.

Proctos. – 14: only 1 mounted =

Chalcids 8: 2 mounted =

Taken at 4. [22 mounted, 2 others labelled 25.7.47 in [illegible]]

Fenella nigrita ? ♀.

Cryptinae 2: ♀ ([illegible] to ♀♀ Rhizomachus; only these mounted)
= Rhizomachus [illegible] ♀, cat. 30.
R. [illegible] ♀, smaller, cat. 18

[illegible] [illegible] ♂, cat. 37
[illegible] from tuft of beech tree: cat. 21.
Hemiteles [illegible] 3: none mtd.
Stenomacrus minutus ♀, cat. 18.
Campoplegid ♂: not mtd.

30.7.44, cont. — R. Canal, H.D., cont.

Taken at 4, cont.

[illegible] [illegible] 1♂ : not mtd.

[illegible] [illegible] ♂, [illegible] [illegible], not mtd.

[illegible] [illegible] 1 [illegible] ♂, not mtd.

D. [illegible] 1 : not mtd.

D. [illegible] ♂, mt 22. [illegible] [illegible] [illegible] 25.7.1947.

Alluaudomyia [illegible] ♀

A. [illegible] sp. 4, [illegible] C. [illegible] ♀, mt 16.

C. [illegible] very [illegible] ♀, mt. 9/16.

C. cf. [illegible] ♀, mt. 16, very small example.

C. ([illegible]) cf. [illegible] very small ♂, mt. only 16. [illegible]

Dasyhelea [illegible] ? 1♀ }

D. [illegible] 1♂ } none mtd

D. [illegible] 1♂.

D. [illegible] 1 (?♂ 5), not taken at 4th [illegible].

[illegible] cf. [illegible] ♀, mt 25, very small specimen.

[illegible] sp. 13 : 1 mtd only = C. [illegible] ♂ mt 17, (1 ♂ taken at 2')

[illegible] ♂ C. [illegible] ♂ } none mtd

[illegible] cf. [illegible] ♀

30.7.44, cont. R. Canal, H.D. cont.

Taken at 4, cont. : also [illegible] [illegible] ♀ mtd.

[illegible] [illegible] ♀, very fine! Very small & dark legs. [illegible] [illegible] [illegible].

[illegible] [illegible] ♂ & ♀, too small for [illegible]! not mounted.

Psychoda 12 : 6 mtd, [illegible] [illegible] [illegible] [illegible] [illegible]

2 [illegible] [illegible] ♀♀.

Chironomus 8 : none mounted.

[illegible] 4 : none mtd.

Taken at 5. [30 mounted from 5 & those labelled 27.9.1947 at [illegible]]

[illegible] [illegible] ♂.

[illegible] 2

[illegible] 22 [illegible] [illegible] [illegible] [illegible] of ♀. 5 mounted, as follows :—

[illegible] [illegible] ♂ mt. 33

[illegible] ♂, mt. 32.

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30.7.44, cont. R. Canal, K.D., cont.
Tele. [illegible] 1-5 cont.

Pezomachus ♀, ant. 22.
P. ♂, ant. 23.
Hemiteles ♂, ant. 23
[illegible] 1 large & 1 small ♀, not std.
[illegible] ♀, not std
[illegible] ♀ Stenomacrus [illegible] ♀ [illegible]
[illegible] 2 ♂♂
[illegible] ? ♀.

Bracon [illegible] not std. B. [illegible] 1♀, ant. 22.
B. [illegible] ? ♀, ant. 23.
[illegible] ♂, not std.
[illegible] ♂
[illegible] ♀, ant. 20, [illegible]
[illegible] ♂ [illegible] not std.
[illegible] ♀ 1, not std.
[illegible] 1 large ♀ & 2 small ♂♂, not std.
[illegible] ♂♂, not std.
[illegible] ♀ : not std.
Phanerotoma [illegible] ♂, ant 30 } These two ♂♂ very like
Ph. [illegible] ♂, ant. 30 } each other [illegible] !

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30.7.44, cont. — R. Canal, K.D., cont.
Tele. at 5, cont.

Apanteles spp. [illegible] = A. [illegible] 1♀, ant. 23, small
A. dentiferus 1 small ♂, ant. 19. A. cf. fuscicornis ♂, ant. 23. A. cf. [illegible] ant. 23 ♂ 1
A. [illegible] ? 1 pallid ♂, ant. 20.
A. [illegible] ♂, ant. 19; [illegible]
A. [illegible] 2 ♂♂, 1♀, ant. 16, 17, 17 (♂♂) & 16 (♀), all small.
A. cf. fuscicornis ? ♂, ant. 16.

[illegible] ♀, ant. [illegible]
Dacnusa [illegible] not std.
D. [illegible] 2 [illegible] not std
D. [illegible] ♂ : not std
D. [illegible] ♂, ant. 33.
D. [illegible] ♀, [illegible] small, reddish [illegible] ant. 30 [illegible]
D. [illegible] 1 small ♂ not std
[illegible] spp. [illegible] not std.

[illegible] ♀ ♂ ant. 23. [illegible] ♀, ant. [illegible]
Proctotrupes 14 : [illegible]

Chalcids 5 : not std.

For 31.7.1944 see p. 326 →

Bred by [illegible] from larvae collected at [illegible] Mts., [illegible] July 1944.
Ex [illegible] (em. 1.8.44)
Rogas [illegible] ? ♀, ant. 53
Ex [illegible] (em. 1.8.44)
Meteorus [illegible] ♀, ant. 32.

2nd Aug. 1944. A very fine & sunny day, left [illegible]
[illegible] & [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] Dublin [illegible] [illegible] the day
on the North Bull, [illegible] [illegible] [illegible] [illegible]
[illegible] four [illegible], as follows:
1 = edge of salt marsh & golf links [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] Tea. 11 AM till 12 noon
2 = edge of salt marsh & golf links [illegible] [illegible] [illegible]
3 = edge of salt marsh & [illegible] [illegible] [illegible] on edge
of St Anne's links, [illegible] [illegible] 2 PM till 2.40 PM.
[Had [illegible] tea at Lady Annie's Bank & after tea [illegible] [illegible]]
4 = Sand-flat SE of Lady Annie's Bank, & [illegible] [illegible] [illegible]
around the [illegible] [illegible] 4 till 4.45 PM
[Left Lady Annie's Bank at 4.57 & reached [illegible] at
5 P.M. & home at 5.40.]

[illegible] [illegible] ♂♀ & [illegible] [illegible]
B. [illegible] ♂♀
B. [illegible] ♂♀
[illegible] plumbeus at 4.
[illegible] [illegible] ♂♀ [illegible] [illegible] & all [illegible]
at flowers of Statice, [illegible] [illegible] [illegible] at [illegible]
[illegible].
[illegible] [illegible] [illegible] [illegible] [illegible] at 4.

2.8.44, cont. N. Bull, Co. Dublin.
Taken at 1. [16 [illegible] [illegible] [illegible] Oct. 1947.]
[illegible] [illegible] at 1 [illegible] = [illegible] [illegible] ♀, ent. 21.

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ent. 24.
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
1♂ + 1♀ [illegible]. ent. ♂ 18, ♀ [illegible] =
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]? 2♂♂, [illegible] : 1♂ + 1♀ [illegible].
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] parvicornis? [illegible], ent. [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] 4 [illegible] (ent. 23, 33, 34 & [illegible]): [illegible] in [illegible] [illegible] [illegible] says he thinks they must be a [illegible] [illegible] var. of the [illegible], which to me seems most improbable.'
[illegible] [illegible] [illegible], ent. 16. [illegible] [illegible] ♀ [ent. [illegible] [illegible] [illegible]]
[illegible] of [illegible] ♀, ent. 15, [illegible] [illegible] & [illegible] [illegible] [illegible]!
[illegible] [illegible] abundant [illegible] [illegible].

Photos. 3

Taken in Westropp's garden, [illegible],
Dublin on 31.7.1944.
[illegible] ent. 22. ♀ [illegible] [illegible] ent. 23.
[illegible] [illegible] ♂, ent. 40.
[illegible] [illegible] ♀, ent. 35(?)
Photo. 1 =

2.8-44, cont.   N. Bull, [illegible] DU, cont.

Taken at 2.   [8 only, mounted from 3 or [illegible]]

[illegible] 3 ♂ not ret.

[illegible] ♀, not 20.

[illegible] terminalis [illegible] ♂♂, [illegible] not ret.

[illegible] ♀ & ♂, [illegible] not [illegible]

[illegible] ♂♂ [illegible] not ret.

[illegible] ♂ not ret.

[illegible] 2 [illegible] not ret.

[illegible] ♀ not 59.

Bruchus anthracinus 1♂, 1♀, very small : not ret.

B. [illegible] ♂ 2♀♀, not both [illegible], very dark [illegible]

[illegible] 1♂, 15♀♀ : none ret.

A. [illegible] 3♂♂, 1♀ : none ret.

C. " " [illegible] ♂ =

C. [illegible] small ♀ =

[illegible] ♀.

Aphidius sp. 6 : none kept

Psocids 1 : not ret.

Chalcids 5 : ([illegible] ret.) =

2.8-44 cont.   N. Bull, DU, cont.

Taken at 3. [29 ret'd from 3 [illegible] 6-11-1942?]

[illegible] 3♂♂ (one with abnormal wing [illegible]) not 23.

= [illegible]

[illegible] terminalis [illegible] 2♂♂, [illegible]

Bruchus anthracinus ♂ : not ret.

[illegible] ♂ : not ret.

[illegible] ([illegible]) [illegible] 3♂♂, 5♀♀;

not all [illegible] ([illegible]), [illegible] 22, 23.

D. [illegible] 16 ([illegible]), not [illegible]

[illegible] antennae broken.

Aphidius sp. 3 : none ret.

Psocids 2, both ret. =

Chalcids 3 : 1 ret., small [illegible]

=

[illegible] 2 : none ret.

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2.8.44, cont. — N. Bull, DU., cont.

Taken at 4 [35 mounted from 4 & those labelled 2.8.44.]

[illegible] 2♂♂, & 1♀ ([illegible]) : not std. =

[illegible] of [illegible] ♂, ant. 19.

[illegible] 3♂♂, [illegible] : not std.

Leucania littoralis ♂ : not std.

[illegible] 1♂ 2♀♀ : not std, ant. 36

[illegible] 2 spp. 2♀♀ = m. small, ant. 24
m. large, ant. 41.

[illegible] 2♀♀ not std.

[illegible] ♂♂ common [illegible] : not std. =

♂, ant. 33

[illegible] "dispersata" ♂, 2♀♀, ant. 25, 25 & 27mm respectively.

[illegible] 3♂♂, 3♀♀ none std.

[illegible] ♂ not std.

[illegible] of [illegible] 1 small ♂ not std.

[illegible] 12♀♀; [illegible]

[illegible] capito 1♂, ant. 23 — 3 std. 2 small [illegible] ant. & [illegible] (larger) [illegible] ant. 26.

[illegible] 3♂♂ ant. both 21 = [illegible]

[illegible] ♂, ant. 40.

[illegible] 5♂♂ & 1♀, [illegible]

=

The [illegible] 1 (mounted) =

250

2.8.44, cont. — N. Bull, DU., cont.

Taken at 4, cont.

[illegible] ♀, 1 [illegible] upon [illegible] of Euphorbia paralias on the dunes. [illegible]

= ; also on the [illegible] =

Red [illegible], [illegible] : [illegible] not std. =

Lepidoptera seen on N. Bull, DU., on 2.8.44

Grayling, numerous, all over.

Meadow Brown: do. do.

Common Blue, several ♂♂, & 1♀ (at 4).

Dark green Fritillary (A. aglaia) several at 1 & 2.

Six-spot Burnet in great abundance.

Plusia gamma 1 or 2 [illegible]

4.8.44. Ephestia [illegible] ♀, ant. 26; taken on window in Trinity College, Dublin, by Dr Bryan P. Beirne.

4th August 1944. The fifth very hot & fine day in succession! At [illegible] p.m. [illegible] of [illegible] ([illegible]), [illegible] ([illegible]); nevertheless [illegible] Lepidoptera [illegible]! See note on p. 245

Swifts. nearly all our birds departed on night of 4th–5th Aug.!

6th Aug. 1944. [illegible] morning [illegible] wind : afternoon mainly bright & sunny with [illegible] of breeze : the day [illegible] for collecting [illegible] in morning [illegible] drying the [illegible] so that all [illegible] 2 PM. Rode to Louisa Bridge, [illegible] Desmond Meikle, [illegible] at Rye Water, later went on to Mr Mitchell's plantation & [illegible] there till 5.30 P.M.

Left home at 9.57, arrived Louisa Bridge at 11.10; left for home at 5.40, home at 7.10. Collected in four areas as follows:—

1 = by Rye Water, chiefly taken off [illegible] alder with sweeping net.

2 = by canal & tow path W. of Louisa Bridge & chiefly just W of plantation.

3 = inside walled plantation (Mr Mitchell's, Collinstown Ho.)

4 = along canal & towpath & a few in annex to 3 & all E. of plantation.

Many ♂ Bombus & Halictus seen, but no Prosopis [illegible], but these not looked for seriously.

6.8.44. cont. Rye Water, Co. KD.

Taken at 1.

Sphecodes [illegible] ♂ . Andrena minutula ♀

[illegible] yellow & black [illegible]

Crossocerus 3. none [illegible]

Mimesa ♂ ent. 26 =

[illegible] elegans, large ♀ at alder, ent. 24.

[illegible] longicornis ♂, ent. 19.

Homotropus [illegible] ♂; ent. 21.

Mesoleius ([illegible]) [illegible] ? ♀ not ent.

[illegible] ? ♂ not ent.

[illegible] ♂ not ent.

Opius [illegible] pallipes ([illegible]) ♂, ent. 25, with [illegible]

Aspilota [illegible] 3 = [illegible] small ♂, ent. 21.

A. [illegible] small ♀, ent. 15, possibly [illegible] of the same.

A. ([illegible]) [illegible] ♂, ent. 30.

Dacnusa [illegible] abundant, [illegible] none [illegible]

D. [illegible] 1 ♀, ent. 30.

[No Aphidiidae!]

Proctos. 7

Chalcid 1

Cynipids 2. Hemiptera =

6. 8. 42, cont. Royal Canal, K.D.,

Taken at 2. [32 minutes from [illegible] then labelled 10.11.1942.]

[illegible] [illegible] ♀, at 34.

[illegible] ♂ [illegible] ♂ [illegible]

[illegible] 14 [illegible] 5 [illegible] [illegible]

– [illegible] ♂ 1♂ (at 21), 2♀♀ (at 9 & 20).

P. [illegible] ♀, at 8. P. [illegible] 5, [illegible]

[illegible] [illegible] 1 ♀, at [illegible].

[illegible] ♂ [illegible]

[illegible] ♂ not [illegible].

[illegible] [illegible]

[illegible] [illegible], 2 ♂♂, [illegible].

[illegible] [illegible] ♀ [illegible].

B. [illegible] ♀, at 28. B. [illegible] ♀, at 32.

[illegible] ♀, [illegible], at 23.

C. [illegible] ♀ [illegible].

C. [illegible] 1 large ♀, [illegible]

C. [illegible] ? 2 ♂♂.

[illegible] [illegible] ? ♀ at 34.

C. [illegible] ♂, at 22.

[illegible] [illegible] ♀, at 19, very small.

6. 8. 42, cont. R. Canal, K.D., cont.

Taken at 2 cont.

[illegible] [illegible] ? 1♂, very [illegible], [illegible]

[illegible] communis ♂, not [illegible]

[illegible] [illegible] ♂, not [illegible]

[illegible] [illegible] ♂ not [illegible].

[illegible] 5, including C. [illegible] ♀, at 16.

[illegible] ♂, [illegible] at [illegible]. C. [illegible] ♀, at 22, [illegible]

C. [illegible] ? ♀, very small, [illegible], at [illegible], [illegible] 1 [illegible], 15

C. ([illegible]) [illegible] ♀, small, at 8.

D. [illegible] 1 [illegible]

D. [illegible] ? ♂, at 33.

D. [illegible] group ♂, at 24 =

D. [illegible] group ♀, at 22, projecting [illegible] =

[illegible] [illegible] at 10♂, 1♀, [illegible] at 41, at 32 [illegible]

[illegible] – 1 [illegible] ♂, at [illegible]

[illegible] [illegible] 8.

[illegible] ? 2 ♂♂, [illegible]

[illegible] 4

[illegible] 9

[illegible] 6

[illegible] 3.

[illegible] purple [illegible]

6.8.44, cont. R. Canal, K.D., cont.

Taken at 3. [illegible] [illegible] [illegible]

[illegible] ♀ [illegible] none sttd.

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] none sttd.

[illegible] [illegible] ♀ not sttd.

[illegible] erythrogaster ♀, set. 22

[illegible] — ♂, set. 22

[illegible] [illegible] ♂

[illegible] 1 not sttd.

Chrysidid ♂ } See those taken at 4

Rhyssa ♂ } → p. 337 →

[illegible] [illegible] 7 ♂♂ not sttd.

[illegible] ♀, set. 30

[illegible] major [illegible] ♀, set. 25

C. [illegible] ♀ not sttd.

[illegible] 21, including C. dentiformis 3 ♀♀ set. 19 & 20

C. [illegible] (small ♂, [illegible]), set. 26. C. [illegible] ♀, set. 12

C. [illegible] 1 ♀, set. 21; also 2 small ♂♂, set. 20 & 23.

possibly same species.

6.8.44, cont. R. Canal, K.D., cont.

Taken at 3, cont.

[illegible] [illegible] 1♂, set 23, [illegible]. C. [illegible] [illegible] ♀ set 16.

C. [illegible] 1♂, set 18. C. [illegible] = ♂, set 17; [illegible] behind eyes.

C. [illegible] = 1♂, set 20, [illegible]; also a very small ♀, set only 16 × 14.

C. (Synodus) sp. 4 ♂♂ (set. 21, 21, 22 & 23); 2 small ♀♀ (set. 17 & 18).

[illegible] [illegible], ♂♂ & ♀♀ abundant (about 20 [illegible])

D. [illegible] ♀, [none sttd.

[illegible] ♂♂ not sttd.

Ephedrus plagiator ♀ set. 11

[illegible] 1 [illegible], [illegible] [illegible] [♂ & ♀]

[Only the ♀ [illegible] kept.]

Chalcids } none kept.

[illegible] }

57

6.8.44, cont. R. Canal, K.D.

Taken at 4. [[illegible] mounted from 4 + these labelled 18.11.1947]

[illegible] 1 ♀ [illegible] = D. ([illegible]) [illegible].

[illegible] [illegible] ; not mtd.

[illegible] 5, [illegible] Pogon [illegible] [illegible] +

Pegomyia [illegible] 2, very small, ♀♀; ant. both 17.

[illegible] [illegible] ♂. not mtd.

[illegible] [illegible] ? [illegible], ant. 18.

[illegible] ♂. not mtd.

Bracon [illegible] ♀, ant. 27. Clinocentrus variegator ♂ ant. 25.

Apanteles [illegible] 2 ♀♀. Rogas [illegible] ♂ pale stigma, ant. 40.

Blacus [illegible] ♂. not mtd.

Dacnusa [illegible] 6 ♀♀ & D. [illegible] ? 1 small ♀, mounted

D. [illegible] 1 ♀, ant. 31.

[illegible] 3 ♂♂ = { C. [illegible] 2 ♂♂ (ant 4 + broken)
{ C. [illegible] ♂, ant. 40.

[illegible] 1 ♀ [illegible]; last mounted, ant. 20.

[illegible] 1
[illegible] 4 } none mtd.
[illegible] 6.

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9th Aug. 1944. Mainly dull & [illegible] at times, misty showers in hills in afternoon, [illegible] wind & much cooler than previous ten days.

Swifts [illegible] at 8.30 a.m. & [illegible] [illegible] [illegible] on night of 4th-5th.

In afternoon rode to Glenasmole, [illegible] for some time, arriving at head of upper reservoir at 4 p.m. & leaving lower reservoir at 5.57; home at 6.30 mostly with strong breeze behind [illegible].

Glenasmole, Co. Dn.

Collected in three areas, as follows:—
1 = Flat at head of upper reservoir.
2 = By old river channel & under trees between reservoirs & river.
3 = Under trees by hut on W. side of lower lake.

Taken at 1. [59 mounted from 1 + these labelled 18.11.1947!]

First [illegible] [illegible] at 1.

Sciara [illegible] ♂
[illegible] [illegible] ♂♂ & ♀.
[illegible] [illegible] ♀

9.8.44, cont. Glenconnel, Co. DU, cont.

Teken st. 1, cont.

Crypt. 2, 27 [illegible] [illegible] [illegible]

Alcochlida 1 ♀, ant. 19, very small black. C. 1 ♂, ant. 22

Hemiteles ♀ [illegible], ant. 21.

H. ♀, ant. 22, [illegible] [illegible]

H. 1 ♂, very small black [illegible], ant. 19, 20

H. 1 ♂ [illegible], ant. 17, [illegible]

[illegible] ♀, ant. 16; [illegible] = Eustyga [illegible]

[illegible] 2 ♂♂ not mtd.

C[illegible] ? ♀, ant. 24

P[illegible] ♂♂, not mtd.

P. [illegible] ♀, not mtd.

P. [illegible] ♂, not mtd.

Homocidus [illegible] 1, not mtd.

Bassus laetatorius ♀, ant. 15.

Megastylus 1 ♂, ant. 27.

Exochus [illegible] ♂, ant. 35. Ch. ♀, ant. 29

Stenomacrus 1 ♂, ♀ — none mtd.

[illegible] (Bracon) [illegible] 5 ♂♂ ♀ } ant. 21.

[illegible] 2 ♂♂

9.8.44, cont. Glenconnel, DU, cont.

Teken st., cont.

Bracon [illegible] 3 ♂♂.

B. [illegible] 3 ♂♂, ant. 31–35, [illegible]

B. [illegible], 2 ♂♂ (ant. 34, 36 & 35), 1 ♀ (ant. 37).

Rogas "[illegible]" ♂, ant. 42.

Apanteles [illegible] not mtd.

Microplitis [illegible] 1 ♂

Microgaster [illegible] ? ♂ not mtd.

Chelonus [illegible] 1 ♀, [illegible]

Blacus [illegible] ♂ not mtd.

[illegible] ? ♂ & ♀ not mtd.

Opius [illegible] ♂ not mtd.

O. [illegible] ? 1 ♂, [illegible] ♀, ant. 29

Pentapleura pumilio 2 ♀♀

P. angusticollis 1 ♀ } not mtd.

Aphaereta [illegible] ♂ }

Alysia tipulae 1 ♂, 1 ♀, ant. 25

Phaenocarpa conspurcator 3 small ♀♀, 1 ♂ [illegible] [illegible]

Aspilota ruficornis ♀, ant. 21

G. (Orthostigma) maculipes ♂, ant. 19.

9.8.44, cont. Glenasmole, Co. DU

Taken at 1, cont.

[illegible] of [illegible] [illegible] light [illegible], ant. both 23.

Dacnusa areolaris ♀ & 2 ♂♂, ant. both 29.

D. [illegible] ♂, ant. 27, also ♀, ant. 26.

D. [illegible], ♀ ant. 15, [illegible], [illegible] very small & like macrocera but no stigma: none mtd.

D. [illegible] ♂♂ & ♀♀ common in area: none mtd.

D. [illegible] [illegible], 3 ♂♂ (ant. 26, 27 & 26); 4 ♀♀ (ant. 26, 28, 30 & 31) [illegible] with [illegible] of stigma. stigma!

D. foveola 2 small ♀♀, ant. 30 & 31, with elongate post. petiole!

D. [illegible] ant. 11 ♂♂, ant. 26 (4), 27 (5), & 28 (2)

cf. 1 ♂, 2 ♀♀ taken at pond in Ballina county, [illegible], S.T., on (2) 28.5.44 & (1) 11.6.44; also ♂♂ & ♀♀ taken in present locality on (1) 16.8.44 — p. 6, Vol 15, to follow.

[illegible] [illegible] 3 ♂♂ 1 ♀ } none mtd.
[illegible] [illegible] [illegible] }

[illegible] [illegible] ♂, ant. 18, small, but [illegible]

T[illegible] 1 ♂ & 1 ♀ of very minute species, ant. 13 & 14 resp.
= T. [illegible] Hal. ♂ of nov.?

cf. 2 ♀♀ taken at [illegible], AN, which have quite different shaped head & shorter stouter antennae

9.8.44, cont. Glenasmole, Co. DU, cont.

Taken at 1, cont.

Proctos 17: none mtd.

[illegible] 2 } none mtd.
[illegible] 4 }

Taken at 2 [[illegible] 2 mounted & then labelled 22.4.1947!]

[illegible] [illegible] ♂.

Cryptinae 6 including [illegible] [illegible] of

[illegible] [illegible] ♂, ant. 19 =

[illegible] ♀ ♂, ant. 25.

Promethes [illegible] ♀, not mtd.

P. sulcator ♂ not mtd.

[illegible] [illegible] 2 ♀♀ not mtd.

[illegible] 1 ♀, ant. 17.

Bracon [illegible] 4: not mtd.

Blacus [illegible]: large ♂: not mtd.

Opius [illegible] ♂ not mtd.

9. 8. 44, cont. [illegible], DV, cont.

Taken at 2, cont.

Acupalpus [illegible] ♀, [illegible] 16/17; [illegible]

C. [illegible] ♀ [illegible] 25

D[illegible] [illegible] [illegible] about a dozen ♂♂ & ♀♀ [illegible]

D. [illegible] equally common $\overset{\text{[illegible]}}{}$ ♂♂ & ♀♀ [illegible]

D. [illegible] ♀ [illegible]

D. [illegible] 2 ♂♂ [illegible]

D. [illegible] ♂ [illegible] 20

D. [illegible], but [illegible] [illegible] 20

=

[illegible] ♂ [illegible]

Rovers . 4 : [illegible] =

[illegible] 1 } not [illegible]
[illegible] 2 }

Taken at 3. [15 [illegible] from 3 a these labelled 22. 11. 1947.]

[illegible] 4 : none [illegible]

[illegible] ? ♀, not 27.

[illegible] ♀ ? not 17/18.

9. 8 44, cont.

Taken at 3, cont.

[illegible] ♀ : not 22.

[illegible] ♂ : not [illegible]

[illegible] ♀, not 22, [illegible] (or ♀ [illegible])

[illegible] ♀, not. 22

[illegible] ♀ : not [illegible]

[illegible] ♀ : not [illegible]

[illegible] 5. [illegible], not. 22.

A. [illegible] 1♂, not 22, [illegible]; also a [illegible] ♀ with 16/17-seg. antennae; but [illegible] too long to be C. [illegible]

A. [illegible] ♂, not 16.

C. [illegible] ♂, not. 17.

D[illegible] [illegible] about a dozen, ♂♂ & ♀♀ : none [illegible]

D. [illegible] 1♂ : not [illegible]

D. [illegible] ♂ : not [illegible]

D. [illegible] ♂ : not 38. [illegible] 2 : not [illegible]

Rovers 4 : 2 [illegible]

[illegible] 3 : 1 [illegible]. = [illegible] ?

[illegible] 2 : not [illegible]

10th Aug. 1944. On this day Doris found a ♀ of Leptothorax acervorum on the corn rick in hay stack in back yard, which I think proves that the ant I saw (with ♀♀ of the) on 4th Aug (see p 730 note) in this spot & not a Ponera as I at first suspected. Last Swift seen on previous night, i.e. 9th.!

11.8.44. Taken at light in house in Clareville Rd. [illegible] Polygates

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12th Aug. 1944. A ♀ Clistopyga sauberi?, taken on motor house window at 7 P.M. & a small Platygaster? taken at light in house at 11 P.M. on previous evening. 14 Clareville Rd, Harold's Cross, DU

13th Aug. 1944. A most beautiful day with much hot sun & no clouds, gentle breeze – W in morning, NW in afternoon, but E along coast as far inland as Tallaght. Left home at 9.35 & rode via Crooksling to Athdown, Co. Wi., on upper Liffey, where arrived at 11.45 or 2 hours & 10 minutes – very good going!! Did not go on to Kippure Ho., but stayed all day near the "footstick" over the Liffey & collected in four areas there, as follows:– Left for home at 6 P.M. arrived home at 7.25 against wind all the way – first NW, later E.

13. 8. 44, cont. Athdown, Co. Wi. 900 to 950 ft. alt.

1 = S bank of gorge & marsh, etc., for 1/4 mile above the "footstick"; now rebuilt. 12 noon till 1 P.M.

2 = both sides of river a furlong below the footstick, where island in river covered with broom & Orobanche major, & marsh on right bank opposite this island.

3 = edge of cornfield & hay field between the road & station 2; i.e. just E. of the "Dun".

4 = marsh NW. of the "Dun" & especially edge of potatoe field just N of the marsh where great profusion of Chrysanthemum segetum (in full flower), P. persicaria, Galeopsis tetrahit & other weeds & nearly all taken amongst these weeds.!

Aculeates

Taken at 1, 2 or 3, or seen there

Bombus lucorum, jonellus & agrorum – nothing of note.

Andrena fuscipes ♂♂ in dozens at flowers of Calluna in field S of river at footstick

Halictus rubicundus, calceatus, tumulorum ♂♂ swept

Colletes succinctus ♂♂ at Calluna.

Salius exaltatus, Ceropales maculatus (1) at 3

Crabro (? vagus) ♀ seen go into burrow at 2

13.8.44, cont. Ashdown, W1, cont.

Taken at l. [4E from 1 [illegible] labelled 26.11.1947!]

Centistes 3♂♂ - not std.

Blacholabus [illegible] ♀ [illegible]

possibly off a near Salix aurita, ant 39.

[illegible] ♂, ant 35.

Rhogogaster [illegible] 2♀♀ : 1 mounted, ant 38.

R. [illegible] ♂, ant 26.

Cryptinae 18. 7 std. as follows

Hemiteles of [illegible] 2♂♀, ant 17 & 24.

H. [illegible] ♀, black, ant 21. H. sp. ♂, red, ant 22

[illegible] ♀, ant 22, also 2♂♂ possibly this sp., ant 21.

Cryptus [illegible] ? ♂, ant 33.

Glypta elongata dark ♀, ant 36.

Limnerium sp. ♂, not std.

(Pimpla [illegible] 2♂♂, 1♀ : 1♂ 1♀ std. on [illegible], ant. broken 23.

Limnerium [illegible] ♂ Gravenhorstia [illegible] ♂, ant 46.

Campoplex [illegible] ♂ on board, ant 27.

Campoplegid ♂♂ like Meloboris but [illegible] and almost

interstitial recurrent n. as in Cremastus

= Meloboris (Japonica) [illegible] ♂ ant. 36.

Phaeogenes sp. ♀, ant 20. Also [illegible] sp.? ♀ ant. 19.

Amblyteles [illegible] 1♀ at Salix aurita,

very large, ant. 70.

13.8.44, cont. Ashdown, W1, cont.

Taken at l, cont.

Bracon [illegible] 1♀, ant 36.

B. [illegible] 2♀♀, ant. 30 & 32.

B. fulvipes 3♀♀, ant 29, 32 & 34, [illegible] black [illegible]

B. fulvipes [illegible] 2♂♂, ant 32 & 36.

Microplitis mediator (? [illegible])

M. mediana ? 1♂

Opius caesus 4 (♂♂ & ♀♀). 1 small [illegible], ant 32.

O. comatus 1♂, ant. 23.

O. of levis ? 1, small ♀, ant 24.

Pentapleura fuliginosa 1♀ : not std.

Aspilota ♀, [illegible]

Dacnusa areolaris group 7♂♂, 1♀, small.

D. adducta 2♂♂ : 1 std. [illegible], ant 31.

D. affinis 2 : 1♀ std, ant 23, [illegible]

D. melanocera 1 large ♂, ant 39 (nearly "[illegible]")

Chaenusa conjungens 1♂, 2♀♀, not std.

Bracon of flavipalpis 1♂, ant 21.

Aphidius spp. 5. 1 std. of A. [illegible] [illegible]

Meteorus [illegible] 2♂♂, ant 14 & 17.

349.

13.8.44, cont. — Alldon, W1, cont.

Taken at 1, cont.

Proctos. 12: [illegible] =

Chalcids 3. }
Cynipids 2. } none ntd.

Taken at 2. [35 ntd. from 2 & these labelled 29.11.1947!]

[illegible] ♂ on [illegible]: 2nd found.

~~[illegible]~~ Phaeogenes ? ♀, black, not banded abd. segments, ant. 33.

=

Cryptus 2 & 3, including Stilpnus gagates: none ntd.

Pimpla turionellae prob. not [illegible]; ♀: not ntd.

P. cf. brassicariae ♂, dark hind legs, ant. 30.

Lissonota bellator ♂ not ntd.

L. cf. murina ♂ ♀, ant. 33, abd. rather shiny (? [illegible]).

Diplazon [illegible] ♂: not [illegible] the name (: not ntd.

Promethes cognatus ♂: not ntd.

Homocidus pictus 2 ♂, ant. 21, scutellum black.

Stenomacrus [illegible] ♀, legs red: not ntd.

Orthocentrus [illegible] ♂, ant. 24.

350

13.8.44, cont. Alldon, W1, cont.

Taken at 2, cont.

Hemiteles [illegible] 4 ♂, cf. [illegible], ant. 66.

Campoplegid ♀ = Omorga: [illegible] ant. 26.

Plectiscid 2 ♂♂ = Proclitus [illegible] ant. 18

& Pantisarthrus inaequalis ♂ ♀, ant. 20.

Bracon fulvipes 4 ♀♀: 1 ntd. has 33 seg. ant.

B. variator ♀, ant. 25.

Microplitis mediana ♂.

Meteorus "pallidicornis" ♂, ant. 32.

Blacus [illegible] 3 ♂♂, ant. all 19.

Centistes lucidator 2 ♂♂: not ntd.

Opius irregularis ♂: not ntd.

O. [illegible] ♀: not ntd.

O. "[illegible]" 2 ♂♂, 1 ♀, ant. all 24; ♀ terebra very short, abd. orbicular.

Bassus [illegible] 2 ♂♂, 1 ♀: not ntd.

Alloea contracta 3 ♀♀: not ntd.

Pentapleura pumilio 1 ♂, 4 ♀♀: not ntd.

Adelura [illegible] ♀: ant. 28, ntd. on its back.

Phaenocarpa conspurcator ♀: not ntd.

Aspilota 2 ♂♂ only: one very minute! =

A. fuscicornis: very minute ♂, ant. 17 and

C. cf. [illegible] ♂: 1 ♂, ant. 23.

13.8.44, cont. – Altdown, Wl., cont.

Taken at 2, cont.

D. [illegible] exoletorius ♀♀ very common & large, about 2 dozen c smaller: ♂♂ rare; none std.

D. fulvescens ♂ & ♀: not std.

D. adducta ♂: not std.

D. affinis ♀, std. 21.

D. [illegible] ♀ ♂, std. 28.

D. [illegible] 1 ♀, std. 25; also 2 large ♂, std. 31

D. sp. near [illegible] ♂, std. 27: cf. ♀ from Lucas, [illegible]

Procn [illegible] ? ♂ & P. [illegible] ? ♀: neither std.

Ephialtes [illegible]; small ♀, std. 11.

Monoctenus [illegible] ? ♂, std. 18.

Aphidius spp. 4: none std.

Proctos very abundant: about 30 [illegible], 6 std.

Chalcids 5 }
} none std.
Cynipids 2 }

13.8.44, cont. Altdown, Wl., cont.

Taken at 3. [66 std from 3 & later totalled 2.12.1947!]

Cryptinid 5, only 1 std.: = Atractodes [illegible] ♀, std. 24.

Polyblastus [illegible] ♀, std. 25

Homotropus pictus? ♀, std. 26.

Stenomacrus 3♂♂, 4 =

St. [illegible] ♀, std. 17

St. cf. " 3♂♂, std. all 23, all small!

Orthocentrus ♀ = Agrypon [illegible] ♀, std. 37.

~~[illegible] ♀~~ ? Leptopygus [illegible] ? ♀ not std.

[illegible] ♂: not std.

Bracon [illegible] ♀, very small, std. 17.

B. [illegible] ? ♀, rather damaged abdomen, std. 27, [illegible] all black.

Sigalphus caudatus ♀, std. 20; also large ♂, std. 23, [illegible]

Perilitus [illegible] : 2♂♂, 4♀♀, all small, black! std. 21 & 22 (♂♂), [illegible]

Blacus [illegible] ♀: not std.

Microctonus affinis ♀

Dinotrema [illegible] ? ♂: not std.

Opius [illegible] ♂, std. 23

cont. on p. 353 → otherwise P.T.O. →

13.8.46, cont. Atherton, W1, cont.

Taken at 3, cont.

[illegible] [illegible] ♂, at 33. O. [illegible] ♂, at 33.

O. [illegible] [illegible] ♀, at 33.

O. [illegible] 2 not ctd.

[illegible] [illegible] ♂, at 31, [illegible]

[illegible] [illegible] ♂, [illegible]

[illegible] app. 15 [illegible] : [illegible], as follows:–

G. [illegible] [illegible] ♂ at 18. G. [illegible] 1♀, at 16.

G. [illegible] 3♀♀, at 15, 16 & 16. G. [illegible] 1♀, at 17.

G. [illegible] 1♂ (at 22) & 1♀ (at 15).

G. [illegible] 1♂ 1♀, at 17 & 15. G. [illegible] [illegible] ♂, at 18.

G. ([illegible]) [illegible] 1♂, at 20.

G. ([illegible]) [illegible] [illegible], 3♂♂, at 15, 16 & 17.

D[illegible] [illegible] prof. 5+6 & 16 other species, as follows:

D. [illegible] 6♂♂, very black, at 29, 30, 31, 31, 31, 31.

D. [illegible] 1♀, at 25. D. [illegible] [illegible] ♂, [illegible] very [illegible].

D. [illegible] 2♂♂, at both 32.

D. sp.? 1♀, at 28. [illegible] but [illegible]!

D. [illegible] 2♂♂, at 28 & 29.

D. [illegible] 2♂♂, 2♀♀, at 21 & 22 (♂♂), 20 & 22 (♀♀); the larger ♂ very large, the first ♀ very tiny!

13.8.46, cont. Atherton, W1, cont.

Taken at 3, cont.

[illegible] [illegible] ♂, at 18.

[illegible] app. 9, including G. [illegible] ♂ & ♀, [illegible]

G. [illegible] ♀, at 17/18.

G. [illegible] ♂ at 19.

[illegible] ♂ not ctd.

[illegible] [illegible] ♂, at 18.

[illegible] 21. 6 ctd.

Chalcids 9. 1 [illegible], not ctd.

Cynipids 1 not ctd.

355.

13.8.44 cont. Ashdown, W. cont.

Taken at 4

356.

13.8.44, cont. Ashdown, W. cont.

Taken at 4, cont. – [48 n.l.d. & [illegible] labelled 5.12.1947.]

Amblyteles glabratus ♀.

Exephanes occupator ? not ♂.

[illegible] deliratorius ; a large red ♂

[illegible] 6 : 3 old. Very various ♂ not 23

[illegible] ? , not 24, black sp.

[illegible] sp. ? nr. [illegible] not 27, 31, very [illegible]!

=

Pimpla turionellae prop. 6 small ♂♂ : 2 old, not 30 & 31.

Lampronota sp. ♂, not 28.

Dyspetes praerogator ♀ : not old

Ctenichneumon ♀ 2 ♂♂, not 27 & 29

[illegible] ? [illegible] ♀ not 25; large specimen.

Bassus annulatus ♂ not 19. Exochus sp. [illegible] ? , not 26.
(very beautiful specimen)

Homocidus signatus ♀
H. [illegible] 1 ♂
H. biguttatus ♀, not mounted
H. nigritarsis ♀
} Now mounted!

Promethes cognatus ♂ : not old

P. laticarpus 1 small ♂ & very dull mesonotum & a larger ♂ with more polished mesonotum : not old

P. dorsalis ♀ : not old.

P. sulcator ♂ not old.

13 8 44, cont. Ashdown, W1, cont.

Taken at 4, cont.

Stenomacrus [illegible] ♀, ent 42 [illegible].

[illegible] ♀ ent 35 = [illegible]

Campoplegid: black sp. 2 ♀♀ (one mtd), ent 30 =

Mesochorus ?tipulae ♀, small, black, ent 34; {[illegible]}

~~[illegible]~~ crenulata 3♂♂. [illegible] ? not mtd.

Bracon variator ? ♀, ent 26.

Colastes braconius ♀, ent 26.

Blacus ruficornis ♀ not mtd.

Perilitus of strenuus? ♂, ent 29. P. [illegible] ♀ small, ent [illegible]

Diospilus oleraceus 4♂♂.

Opius caesus ♀ not mtd. O. [illegible] ♀ ent [illegible]

O. [illegible] ♂ ent 25. O. of [illegible] ent 21.

O. [illegible] ♂, not mtd. O. [illegible] ? 1♂, 1♀, ent 26 & 24.

Biosteres procerus ♀. not mtd.

B. spp. ?1♂, 10 ♀♀: 6 mtd — =

{B. [illegible] 2♂♂ & 2♀ ent [illegible] 33 & 34, 35 & 36.
B. [illegible] [illegible]
= [illegible]
1♂ 1♀ [illegible] ent 39
& both mtd [illegible]}

Pentapleura pumilio 8 (♂♂ & ♀♀) one mtd.

Phaenocarpa flavipes ♀, ent 30

Ph. [illegible] ♀. = Alysia atra ♀, ent 31.

Ph. [illegible] ♂, ent 30.

Aspilota ruficornis ♂. not mtd.

13. 8. 44, cont. Ashdown, W1, cont.

Taken at 4, cont.

Aspilota [illegible] [illegible] ♀ & 2 other specimens =

A. [illegible] [illegible] ent 17.

A. ([illegible]) [illegible]

Dacnusa "areolaris" taken 15 & 3 only mounted =
= D. [illegible] [illegible]
[illegible]
[illegible] D. areolaris

D. [illegible] ♂, ent 32.

D. [illegible] ♂, ent 33.

[illegible] 8 (♂♂ & ♀♀).

Aphidiini spp. about 10 (♂♂ & ♀♀). only 2 mounted =

A. [illegible] 1 small ♀ ent 15

A. [illegible] ♀, ent 16

Proctos. 12. 2 mtd.

Chalcids. 4: 1 mtd.

Cynipids 5: none mtd.

Beetles. Chrysomela fastuosa: one small green [illegible] specimen.